MARYVILLE

1986 - 1988 Catalog

Accreditation

Maryville College is accredited by the Southern Association of Colleges and Schools, the regional accrediting agency. The National Association of Schools of Music accredits the major programs in music education and performance. The College's programs in teacher education are approved by the Tennessee Department of Education.

Maryville College

Catalog
1986 - 1988

1986, The 167th Year

Maryville, TN, 37801

615/982-6412, 615/546-6912

Statement of Purpose

Maryville College is a liberal arts, church-related college. It strives to be an instrument of liberation and growth for adults of all ages. Through its curriculum the College affirms the continuing values of a broad range of study in the humanities, the sciences, and the arts. Avoiding narrow specialization, the College aims to enhance career opportunities and develop a true sense of vocation. To prepare students for a world of uncertainty and accelerating change, the College seeks to stimulate purposeful inquiry, to encourage analytical thinking and effective expression, to foster discriminating aesthetic taste and sound judgment, to provide opportunity for developing personal values, and to nurture the deep concern for persons that leads to constructive action.

Founded by leaders of the Presbyterian/Reformed tradition, Maryville College is related to the Presbyterian Church (U.S.A.) in a voluntary covenant. In an atmosphere of freedom and sensitivity, Maryville College bears witness to God's revelation in Jesus Christ who challenges all human beings to search for truth, to work for justice, to develop wisdom, and to become loving persons. Continuing in this vital faith, the College believes that it must listen attentively and humbly to all human voices so that it may hear the call of God no matter how God may speak.

Maryville College is, in essence, a community for learning. This community includes persons with a variety of interests, backgrounds, beliefs, and nationalities. The faculty, as a group of scholars committed to the preservation and advancement of knowledge, emphasizes effective teaching and encourages supportive relationships with students. The students are challenged to grow in academic competence, personal and social maturity, and spiritual discernment and commitment. In such an atmosphere of openness and caring, lasting friendships are formed. Through caring for others on campus and beyond, sharing genuine concern for the world, and working to fulfill the College's purpose, directors, administration, staff, faculty, and students strive to build and strengthen the human community.

Adopted April 1980

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The Academic Year

The academic year extends from late August to the latter part of May. The Year is divided into two 15-week semesters and a three-week interim period in January. Beyond the academic year, the College offers two summer sessions of three weeks duration.

The College's continuing education program operates on a different calendar arrangement, one more suitable for the part-time student. For details on that calendar, consult the annual bulletin of the Maryville College Continuing Education Degree Program.

1986-1987 Calendar

Fall Semester		
Aug. 28	3 p.m.	Residence halls open for freshmen.
Aug. 29	noon	Orientation for new students begins
Sept. 1	7:30 a.m.	Registration for transfers and readmitted students
	9 a.m.-noon	Registration for new students and Registration for returning students who have NO schedule changes.
	1 p.m.- 4:30 p.m.	Registration for returning students who HAVE schedule changes.
Sept. 2	8 a.m.	Classes meet for the first time.
	10:30 a.m.	Opening Convocation.
Sept. 16	7 p.m.	English proficiency examination for sophomores.
Oct. 7		Last day to withdraw from a course and receive grade of "W."
Nov. 13-14	1:30 p.m.	Comprehensive examinations for graduating seniors.
Nov. 26-30		Thanksgiving vacation.
Dec. 10	10 p.m.	Classes end.
Dec. 11		Review day.
Dec. 12-17		Examination period.
Dec. 18	noon	Residence halls close.
Interim		
Jan. 4	2 p.m.	Residence halls open
Jan. 5	9 a.m.	Classes begin
Jan. 23	3 p.m.	Residence halls open for new students.

Spring Semester

Jan. 26	9 a.m.-noon	Registration for new students and those returning students who have NO schedule changes.
	1-4 p.m.	Registration for returning students who HAVE schedule changes.
Jan. 27	8 a.m.	Classes meet for the first time.
Feb. 3	7 p.m.	English proficiency examination for sophomores
March 2		Last day to withdraw from a course and receive grade of "W."
March 14-22		Spring vacation.
April 17		Good Friday. Classes end at noon.
April 23-24	1:30 p.m.	Comprehensive examinations for graduating seniors
May 8	10 p.m.	Classes end.
May 9-11		Review period.
May 12-15		Examination Period.
May 17	10:30 a.m. 4 p.m. 9 p.m.	Baccalaureate 168th Commencement. Residence halls close.

Alternate Interim

May 18-June 5

Summer Term

May 25-June 12	First Session
June 15-July 3	Second Session

Maryville College

History

As Maryville College looks to the future it is building on a distinguished past.

Founded in 1819 under the direction of the Presbyterian Church, it welcomes men and women of all faiths and ethnic backgrounds. It is the twelfth oldest institution of higher education in the South.

In 1875, Maryville was the first college in Tennessee to award a B.A. degree to a woman. In May, 1954, when state segregation laws were struck down by the United States Supreme Court, the College returned immediately to its earlier policy of admitting students of all races.

The College owes its existence to the vision and perseverance of the Reverend Isaac Anderson, a circuit-riding Presbyterian minister. He believed that what was then called the southern wilderness needed trained ministers and teachers, and he presented his case to the Synod of Tennessee of the Presbyterian Church. The Synod voted to establish in Maryville the Southern and Western Theological Seminary which became Maryville College.

Philosophy

Openness has been one hallmark of Maryville's history; creative response to changing needs and circumstances has also been characteristic. Maryville has developed a system of campus governance with a student senate, which enables students to share in decision making.

The College's concern for students as individuals is reflected in its counseling services. Junior or senior resident assistants are available on each floor of each residence hall. Academic advisors, assigned at the start of the freshman year, help in selecting a major course of study and with other academic or personal problems.

The College also provides a trained counselor at the Institute for Lifestyle Development whose services are free. The College Chaplain is always available for help and counseling.

Educational Goals

A Maryville education provides a range of intellectual skills, a breadth of knowledge and understanding and a firm base for intensive study in a major field. It also helps the student become culturally aware, service-oriented and consciously ethical with a real concern for values and a capacity to make morally informed decisions.

With a liberal arts education the student leaves Maryville able to think, to reason and to communicate—fundamental arts which will provide the capacity for life-long learning.

Maryville's expanding curriculum is revamped frequently to help develop these attitudes and the skills and knowledge needed to live a successful, productive and satisfying life. The College has also tried to internationalize the curriculum to prepare the student for the global environment which marks today's world.

Along with its dedication to academic excellence, Maryville offers the student an opportunity to interact with highly qualified, committed faculty and receive individual attention and assistance during the college years.

Career Planning and Placement

Aware of the current demand for career-oriented programs, Maryville provides opportunities for internships, practicums and interim study arrangements which help the student gain job-related experience.

The Career Planning and Placement service seeks to prepare students to evaluate career and life choices. Beginning at the freshman level, the CPP director works with students and arranges group counseling sessions. The office also sponsors career information seminars and workshops and maintains a Career Resource Library.

It also makes available listings for part-time employment and summer jobs. It schedules interviews with graduate school representatives and potential employers on campus and maintains information on career opportunities with major companies nationwide.

The Library

The Lamar Memorial Library is central to the mission of Maryville College. It is a focal point for knowledge and study, a place to read, to investigate, to reflect, to question, and to learn.

Library collections support the educational program, provide current awareness for discipline-related research, meet recreational reading needs, and record the institutional history of the College. Located in Thaw Hall, built in 1923 and renovated in 1986, the library numbers over 105,000 volumes in its collections.

Holdings include books, periodicals, documents, microforms, audio and visual materials. Special collections include over 2,200 musical scores in the Fine Arts Center library, 19th century hymnals and songsters, and early travel books.

To facilitate the use and understanding of library information sources, reference assistance is provided during all hours of service. Reference staff work with students and other users individually to formulate the information needs, identify sources, and instruct in their use.

Bibliographic instruction for classes is an important part of reference service; library faculty teach a major component of the Inquiry course devoted to information skills and search strategies, and discipline-related instruction is offered in other courses.

The library is a center for services that stimulate, encourage, and teach the use of information resources, and, equally important, provide access to holdings elsewhere. Through membership in consortia, networking, and reciprocal borrowing agreements, students have access to specialized and scholarly materials in numerous other area resource centers.

The library affirms and subscribes to the International Interlibrary Loan Code, the American Library Association Library Code of Ethics, and the American Library Association Library Bill of Rights.

The Campus Location and Buildings

The campus is situated on 370 acres in the foothills of the Great Smoky Mountains in East Tennessee. It is in the City of Maryville, which, with its twin city of Alcoa, has a metropolitan population of about 46,000.

The student body numbers over 600, and there is a distinguished faculty of about 50.

There are 20 major buildings on the campus, including Lamar Memorial Library, recently remodeled and expanded. The Chapel/Theatre houses the 1,200-seat Wilson Chapel and the 400-seat theatre of the Maryville College Playhouse. The modern Sutton Science Center includes private study and research carrels and a science library, and the Fine Arts Center has a 250-seat recital hall, art gallery, music library, and private studios and practice rooms.

The Health and Physical Education building has up-to-date physical education and recreation facilities, including an olympic-size swimming pool, racquetball courts, and three gymnasiums. Fayerweather Hall houses most of the student-related offices, including the bookstore, student lounge, and snack bar.

Anderson Hall, which dates from 1870, is a national historic landmark and houses administrative offices and classrooms, including the campus computer center.

There are five modern residence halls, each with study lounges, laundry and kitchen facilities. The Center for Campus Ministry houses the College Chaplain's Office, worship center, and meeting space.

Intercollegiate Sports

Maryville College fields men's varsity teams in football, basketball, soccer, tennis, and baseball. Women's varsity sports include volleyball, basketball, tennis, and softball.

Admission and Financial Policies and Procedures

Admission

Admission to Maryville is moderately selective. Annually the College will admit approximately 75 percent of those who apply. Students are admitted based on academic criteria without regard to financial need.

The College operates on a rolling admissions calendar which begins to admit eligible students on October 15 each year. Students who wish to apply to Maryville College should follow the applicable procedure below:

A. To apply for admission as a freshman directly from high school the student should submit the following items:

1. Application for admission. Students applying before March 1 (for the fall semester) pay no application fee; afterwards there is a $15 nonrefundable fee. Students applying for the spring semester pay no application fee.
2. School Report Form: This form is included with the application for admission. Ask the guidance counselor to complete the form and mail it to Maryville College accompanied by an official transcript of high school work.
3. Secondary school transcript mailed by the high school and accompanied by the School Report form.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

When the file is complete the student's application will be evaluated and the decision communicated to him or her as quickly as possible.

B. To apply for admission as a transfer, the student should submit the following items:

1. Application for admission. Students applying before March 1 (for the fall semester) pay no application fee; afterwards there is a $15 nonrefundable fee. Students applying for the spring semester pay no application fee.
2. Secondary school transcript mailed by the high school.
3. Official transcript from EACH college attended.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

Transfer students are notified regarding admission as soon as all of the documents have been received and fully evaluated. An estimate of transfer credits can be furnished at any time.

C. To apply as an international student the applicant should submit the following forms:

1. Pre-application for Admission.
2. Application for admission. Students applying before March 1 (for the fall semester) pay no application fee; afterwards there is a $15 nonrefundable fee. International students are discouraged from entering Maryville in January.
3. Official transcript from the secondary school showing 12 years of coursework or more. This document should be in English.
4. Score from Test of English as a Foreign Language (TOEFL).

5. Letter or statement of financial responsibility certifying total resources and who will pay the student's educational and living expenses.

Authority to admit students to Maryville's regular academic program rests solely with the Office of Admissions and the Committee on Admission and Standing.

Specific Criteria

High School Applicants

Normally the requirement for admission is the satisfactory completion of a four-year course of at least 15 units in a secondary school approved by a recognized approving agency, or equivalent preparation demonstrated through examination. The secondary school credits should include:

1. Four years of English (The senior English composition course is especially important.)
2. One year of laboratory science such as biology, chemistry, physics, earth science.
3. Two years of algebra or one year of algebra and one year of geometry.
4. One year of social studies or history.
5. At least five elective academic units among the following: mathematics (excluding general mathematics and arithmetic), science, social studies, foreign languages, Bible and music theory.
6. Although foreign language is not required for admission, it is strongly recommended. Entrance credit in a foreign language will not be allowed for fewer than two units in one language.

Transfer Applicants

Students who have completed coursework at another regionally accredited college/university may be considered for entry to Maryville College in either the fall or spring semester in accordance with the following guidelines:

1. A transfer applicant who would have been admissible to Maryville College as a first-time freshman will be admitted with at least a 2.0 (C) or better grade point average attained in college work.
2. A transfer applicant who was inadmissible as a first-time freshman must present a minimum grade average of 2.5 (C+) in at least 30 semester hours or the equivalent credit hours. The majority of the coursework must be in college-level academic subjects. A student in this category who has completed fewer than 30 semester hours at another accredited institution may be considered on an individual basis provided he/she has achieved better than a 2.5 grade point average in regular academic courses.

International Applicants

In order to receive admission to Maryville students from other countries should present a strong record of achievement. The required minimum TOEFL score is 525. If an international student applies for admission who has an acceptable academic record but whose TOEFL score is below Maryville's requirement, he/she will be offered admission to the Maryville College Center for Intensive English Language Study and required to satisfactorily complete an appropriate level of English study before moving into the College's academic program.

The Center for Intensive English Language Study

The Center for English Language Study is a non-credit program offering intensive English language instruction on all levels. Students who need English as a second language for either professional or academic purposes are placed individually into one of eight different levels. Consequently, the program is able to concentrate on each student's specific problem areas.

Students wishing to attend Maryville College but lacking the required TOEFL score must successfully complete the final level before beginning full-time academic work.

All students share the same privileges as Maryville College students, and they are encouraged to participate in campus-wide activities.

Students interested in knowing more about the Center for English Language Study should write ELS Program Director, Box 2898, Maryville College, Maryville, TN 37801 USA.

Early Admission

Students who have completed the junior year of high school may request consideration for early admission. It is important to furnish evidence of a strong high school record and above average test scores, as well as a letter from the principal or guidance counselor indicating that the applicant has the intellectual and social maturity to profit from college study. A personal interview with an admissions officer is mandatory.

Qualified local high school seniors who have time in their schedules for additional courses are encouraged to enroll on a part-time basis. These students may obtain full details, upon request, from the Director of Admissions.

Veterans

Maryville College welcomes veterans who would like to begin or continue their college education and will accept courses of the U.S. Armed Forces Institute for transfer credit if those courses are comparable to Maryville's course offerings.

Transfer Credit

Maryville College is willing and prepared to work with any student who desires to transfer from another regionally accredited institution to Maryville. The Office of the Registrar is responsible for evaluating transfer credits and will be as flexible as possible in evaluating coursework successfully completed at other accredited institutions.

Generally, regular academic courses in which the students has earned a grade of "C" or above will be transferred and applied toward graduation requirements. For graduation, students will need to satisfy the requirements listed in the degree requirements section of this catalog.

Continuing Education Degree Program

Maryville's Continuing Education Degree Program provides adults whose jobs or family responsibilities prevent them from attending college full-time an opportunity to enroll part-time in day, evening or weekend classes. For details, interested persons should contact the Office of Continuing Education.

Credit by Examination

1. Advanced Placement Examination Program of the College Entrance Examination Board: Students who have taken college-level courses in high school and have made a score of 3 or above on one or more AP examinations will be eligible for placement in advanced courses and may be granted college credit upon approval of the instructional deparments involved.

2. College Level Examination Program (CLEP): Listed below are the subject examinations and equivalent courses at Maryville College. Usually if a student's score is at least at the 50th percentile he or she can expect to receive credit for the designated course(s). The College urges applicants to submit these tests no later than the summer prior to their freshman year.

CLEP Subject Examination	MC Course Equivalents
Computers and Data Processing	Computer Science 121: Introduction to Computer Science
College Algebra-Trigonometry	Mathematics 115: Precalculus Mathematics
Calculus with Elementary Functions	Mathematics 125 and 225: Calculus I and II
General Chemistry*	Chemistry 121 and 122: Principles of Chemistry I and II*
American Government	Political Science 122: American Government and Politics
Introductory Sociology	Sociology 101: Introductory Sociology
Introductory Micro- and Macroeconomics	Economics 201: principles of Economics
Introductory Accounting	Business 215 and 216: Principles of Accounting I and II
Introductory Business Law (with essay)	Business 341: Business Law
Introduction to Management	Management 302: Principles of Management
General Psychology	Psychology 101: Introductory Psychology
Educational Psychology	Education 211: Educational Psychology
Human Growth and Development	Psychology 211: Child Development
American History I	History 111: History of the U.S. to 1865
American History II	History 112: History of the U.S. since 1865
Freshman English	English 104: Fundamentals of English Usage
College Composition	English 104: Fundamentals of English Usage
American Literature	English 221 and 222: American Literature

English Literature	General Credit for upper-level course

*Provides six hours of course credit. To obtain credit for additional two hours of laboratory experience, students must either:

(1) demonstrate satisfactory knowledge of laboratory techniques, or

(2) enroll in the laboratory portion of general chemistry and complete it satisfactorily.

No more than 32 credit hours may be counted toward graduation requirements for any combination of credit by examination, independent study, instructional television or other non-traditional modes of learning.

Withdrawal Procedure

If a student plans to withdraw from the College, the Office of Student Affairs and the Business Office must be notified and an official withdrawal process completed. Failure to attend class does not automatically withdraw or drop a student from a class or the College.

Should a student decide during the year or at the close of the year to terminate enrollment at Maryville, the procedure is as follows: (1) Arrange for an exit interview in the Office of Student Affairs. (2) Secure from the Office of Student Affairs a check-out sheet for various areas of the College. (3) Have each area on the sheet signed. (4) return the sheet along with I.D. card to the Business Office. Should a refund be in order, the Business Office will make the appropriate adjustment.

Readmission

If a student desires reinstatement after a leave of absence, dismissal, or withdrawal, an application for readmission may be obtained from the Office of Admissions. If applicable, transcripts of coursework completed at another institution should be submitted for evaluation.

Costs

Each student is charged tuition and fees which cover approximately 60 percent of the cost of services received from the College. The remainder of these costs is met by endowment income and by gifts from board members, alumni, and other friends of the College.

Tuition charges are assessed for each of the 15-week semesters as follows:

	Credit Hours Per Semester	Tuition
Normal Load	12-16	$2,320
Part-Time Load	Fewer than 12	$195/credit hour
Overload	17 or more	$2,320 plus $145/credit hour for all hours above 16

Basic charges for 1986-87, excluding books and supplies are:

Tuition	$5,160
Board	1,605
Room (average charge)	1,220
Activity Fee	105
	8,090

Fees

Individualized reading course	$55
Auditing fee per course	40
Application fee (non-refundable)	15
Graduation fee	40
Late registration fee	25
Studio Art fee	45
Student teaching	60
Laboratory fee	20
Transcript (after first one)	2
Dropping or adding a course	

During the week of registration $10 will be charged for a change of schedule (drop or add). After the week of registration, $10 will be charged for adding a course and no charge will be made for dropping a course.

Proficiency exam fee	40
Car registration (on campus)	20
Car registration (commuter)	8

Applied Music Fees

The applied music fee includes use of practice rooms and instruments as well as additional instructional costs. Most lessons are given by members of the departmental staff. Occasionally lessons are arranged for an advanced student with a master teacher in the area. In such cases the student registers with the College and financial arrangements are made with the teacher.

Music Majors	Per Semester	Interim (Optional)
All lessons must be taken for credit.		
1. 1 half-hour private lesson per week	$100	$22
2. 2 half-hour private lessons per week in same field, or 1 lesson each in two fields	150	44
3. Class lessons in each field, offered in: piano, voice, strings, brass woodwinds, percussion, guitar	50	
4. Introduction to Theoretical Skills	50	
Non-Music Majors		
All lessons must be taken for credit.		
1. 1 half- hour private lesson per week	150	33
2. 2 half-hour private lessons per week in same field, or 1 lesson in two fields	250	55
3. Class lessons in each applied field (two meetings each week), offered only in piano and guitar	77	
Piano Fundamentals 099 **(1 half-hour lesson)**	150	

Health Insurance

Maryville College requires every student to be covered by health insurance, either a family plan or the plan made available by the College. Health insurance information is available from the Business Office.

Payment policy

All Maryville College students upon acceptance pay a $100 general deposit of which $50 is credited toward tuition and $50 toward room deposit. Commuting students pay tuition deposit of $100. (This deposit is refundable until May I.)

Payment adjustments

Room and meal rates do not cover vacation periods or costs of off-campus study, but adjustments are made in board for officially authorized field trips of a week or longer during the interim period. Adjustments in payments are also made for students who enroll later than the fall semester or who meet graduation requirements before the end of the academic year.

Refund Policies

A student who withdraws officially from Maryville College will be given a refund of tuition as follows:

Withdrawal	**Percentage of Refund**
Within 7 calendar days of 1st day of classes	80%
Within 8-14 days	60%
Within 15-21 days	40%
Within 22-28 days	20%
After 28 days	No Refund

A withdrawal becomes official as of the date the proper withdrawal forms (see withdrawal procedures section of the catalog) are signed by the Office of Student Affairs staff and delivered to the Business Office.

Failure to notify the Office of Student Affairs or the Business Office promptly when withdrawing could result in a larger percentage being charged. Withdrawal does not cancel fees and charges already incurred.

Proper consideration will be given to a student who withdraws because of illness or physical disability or other serious causes. Refunds for students withdrawing for these reasons are subject to approval by the Academic Vice President.

A student who is requested to withdraw, or who is expelled for disciplinary cause, will receive no refund of tuition or general fees. A pro rata refund of board only will be made for the remainder of the semester in which the suspension occurs.

For a student who withdraws officially from the College, no refund of that portion of the room charge will be made after the first day of classes. A pro rata refund of board only for the remainder of the semester in which the withdrawal occurs will be made.

No refunds are made for students dropping a class after the class has first met.

Financial Aid

To be considered for finanial aid at Maryville College a student must be accepted for admission, submit a Financial Aid Form to the College Scholarsip Service and an Institutional Application for Financial Asistance to the financial aid office. Transfer students must also submit a Financial Aid Transcript.

The necessary forms for all applicants are available from the financial aid office, the admissions office or most high school guidance offices.

Since financial aid packages consisting of one or more types of assistance are awarded on a "first come, first served" basis to eligible applicants, it is wise to complete all required forms and submit them as early as possible. The preferred filing date of the Financial Aid Form is March 1 or earlier.

Satisfactory Progress To Retain Financial Aid

Continuation of financial aid from one year to another is dependent on acceptable academic performance and an equal assessment of individual need. A student who falls below specified minimum standards for progress toward a degree loses eligibility for assistance from federal, state, and institutional sources. The minimum acceptable standards for academic achievement are explained in the Student Handbook.

Scholarships

The Presidential Scholars Program offers three levels of academic awards to prospective freshmen. These include the Maryville College Distinguished Scholar (full direct cost), Honors Scholar (full tuition) and Achievement Scholar (one-half tuition.) Students receiving one of these four-year, renewable awards also participate in a program of challenging activities. Also, scholarships in art and music are awarded to incoming new students based on their talent and achievement.

Freshmen who are communicant members of the Presbyterian Church (U.S.A.) entering college for the first time are eligible to apply for the National Presbyterian College Scholarship. Freshman and transfer students may also apply for the Church and College Scholarship.

The Maryville College Merit/Leadership Scholarship is awarded to prospective freshmen and transfer students on the basis of strong academic promise, above average grades and financial need.

Additional scholarships in amounts from $100 to half tuition are available to students of superior academic ability, character and promise and who meet the requirements of a designated scholarship fund such as one of the following:

Alcoa Foundation Scholarship
Andrew L. Alexander Memorial Scholarship Fund
T. T. Alexander Scholarship
Hyman and Bess Arnowitz Scholarship Fund
Mary McArthur Beard Scholarship Fund
Orlean B. Beeson Scholarship Fund
Grace Josephine Blank Scholarship
Blount County Alumni Association Scholarship
Blount National Bank Scholarship Fund

Anna Holland Breen Scholarship
David Briggs Scholarship Fund
William Cowan Broady Scholarship Fund
Samuel Fewell Broughton Scholarship
Ernest C. Brown Scholarship Fund
Frances Brown Scholarship Fund
Lowell A. Bunge Scholarship Fund
Robert and Nancy Ailey Burchfield Scholarship Fund
Charlotte Newcombe Foundation Scholarship
Class of 1912 Scholarship Fund
Class of 1943 Memorial Scholarship
Class of 1958 Memorial Scholarship
Emily Simpson Courtenay Scholarship
Betty C. Congleton Scholarship
Mr. and Mrs. Edward S. Cowdrick Scholarship Fund
Kenneth Cox Memorial Scholarship Fund
Earle W. and Helen Crawford Scholarship Fund
Dr. Samuel Earle & Erma Hall Crawford, Sr., Scholarship
Katherine C. Davies Fine Arts Award
Mr. and Mrs. Carle Davis Scholarship Fund
The Dawson Scholarship Fund
Minibel S. Dean Scholarship Fund
Henry R. Duncan Scholarship Fund
Russell Edwards Scholarship Fund
Charles and Mary Ensign Scholarship Fund
First Tennessee Bank Scholarship
Honarine Cozart Fergerson Scholarship Fund
Margaret Gaston-Cooper Scholarship
Carrie Lou Goddard Scholarship Fund
J. Delmar & Nell Lauderback Green Tuition Assistance Fund
Laura B. Hale Scholarship
Harrison Memorial Scholarship
Clemmie J. Henry Scholarship
William G. Hoffner Memorial Scholarship Fund
Lombe Scott Honaker Scholarship Fund
George Dewey Howell Scholarship Fund
John L. and Elsbeth Kind Memorial Scholarship Fund
Dan Kinsinger Memorial Scholarship Fund
Kittrell Memorial Scholarship Fund
Kiwanis Scholarship
George Knapp Math Award
George Knapp Physics Award
La Jolla Presbyterian Church Scholarship
Aileene Lenderman Scholarship
Robert L. Maclellan Scholarship Fund
Maryville College Women's Club Scholarship
E. E. McCurry Scholarship
Charles Morton and Octavia Wilson Merrill Scholarship Fund
Robert Breaker Moore Scholarship Fund
Op Den Graef-Levering-In Den Hoeven Scholarship Fund
Dr. James A. Padgett Trust Fund

Fred C. Peterson Scholarship Fund
John M. Poland Scholarship Fund
Verton Queener Award
Harold Ramger Memorial Scholarship
Fay Rimmer Scholarship
Ellen Hitch Templeton Scholarship Fund
Herman E. Whittle Scholarship

Grants

Maryville also offers a wide variety of grants to students who qualify for consideration.

In addition to offering the Maryville College Grant, the College participates in federal student aid programs, including the Pell Grant and Supplemental Educational Opportunity Grant (SEOG), which award assistance to undergraduate students on the basis of financial need.

Residents of Tennessee may apply for a state grant via the Tennessee Student Assistance Corporation. Awards are made on the basis of financial need

Students at Maryville who are eligible may also use Veterans Administration and Vocational Rehabilitation benefits to finance their education.

Loans

Students who wish to pay part of their college expenses on a deferred or installment basis may apply for short-term loans through the College Rotating Loan Fund. Under this program, all MC students enrolled in an academic program and who are in good credit standing with the College may apply to secure a loan for a maximum of one-half of the net amount due at each registration. The loan is repaid in monthly installments during the period for which it is borrowed. A service charge is assessed.

The College also participates in the National Direct Student Loan and Guaranteed Student Loan Programs which provide long-term loans to qualified students.

More extended plans for installment payment of educational expenses may be arranged with commercial agencies. These services include Academic Management Service, The Tuition Plan, Tuition Reserve and Deposit Plan.

Employment

Part-time work for students is available in many areas of campus activities. Earnings depend upon the degree of skill, the amount of personal responsibility and time involved and financial need.

Students not demonstrating need but who possess special skills or ability may also apply.

More detailed information regarding specific types of student aid may be obtained from the Office of Financial Aid, Anderson Hall, Maryville College, Maryville, Tenn. 37801.

The Academic Program

Degrees

Maryville College offers three degrees, the Bachelor of Arts, the Bachelor of Music, and the Bachelor of Science in Nursing. All three degrees may be earned by full-time students. For mature adults who wish to pursue a degree on a part-time basis while carrying other substantial responsibilities, the B.A. and the B.S.N. are offered through the Division of Continuing Education as well; those programs are described in another college bulletin.

Degree Requirements

To receive any degree, the student must complete all requirements specified for that degree in the catalog in effect at the time of initial enrollment. For the B.A. and B.Mus. degrees, a minimum of 128 semester-hours of credit must be earned, with either (a) a cumulative grade point average of at least 2.0 or (b) a grade of "C" or "S" or higher for at least 40 academic courses. For the B.S.N. degree, a minimum of 130 semester hours is required, with a cumulative grade point average of at least 2.30.

For all degrees, the courses taken must satisfy all general education, major, and major-related requirements, and the English proficiency examination and a comprehensive examination in the major field must be passed. A requirement in swimming, emphasizing survival skills and maneuverability in the water, must also be satisfied, either by demonstration of competence or satisfactory completion of an appropriate course.

The specific requirements for each degree are described in the section of this catalog devoted to it. At least nine hours must be earned in Interim courses, including six hours meeting the specifications for experiential learning. Members of the Classes of 1991 and 1992 must complete one project in the Maryville College Life Enhancement Program.

Every candidate for a degree is expected to pursue his or her program of studies in residence at Maryville, especially in meeting general education and major requirements. If circumstances warrant, permission may be granted for non-resident credit. Approval of the appropriate department chairperson and the registrar is then required in advance.

As a minimum, each degree candidate must complete at Maryville 32 credit hours, including 20 in the senior year and nine in the major field. An exception to the senior year requirement is made for students in cooperative degree programs, who spend the senior year in residence at the cooperating institution.

Majors

As a degree requirement, each student completes an approved program of concentrated study in a major field. The major is commonly taken in a single discipline, along with several courses in related subjects. An individualized major may be designed, however, to meet particular educational needs.

A disciplinary major consists of a minimum of 30 semester hours in a single discipline, including six hours devoted to an independent study project, and, for the B.A., a maximum of 56 hours in all principal and related subjects.

For an individualized major, possible only with the B.A. degree, at least 18 hours in one subject, 12 hours in a related subject, and six hours in independent study are required; approval of the Committee on Individualized Majors must also be obtained.

The student may select a major by the end of the freshman year, but such selection may wait until the sophomore year in most fields. Postponement of the choice beyond the sophomore year, or a subsequent change of field, is likely to delay graduation beyond the normal four years.

A student planning to pursue a major in a highly structured program, where the sequence of courses is an important consideration, is encouraged to confer with the appropriate department head early in the first year of enrollment. Such fields include the natural sciences, mathematics, nursing, elementary education, physical education, and the cooperative programs in engineering.

Permission of the department head must be secured in order to major in any field. Approval must be registered on the proper form filed by the student with the College Registrar. Continuation in the major is contingent upon satisfactory academic performance.

For all courses taken to satisfy major requirments for the B.A. and B. Mus., a cumulative grade point average of at least 2.0 must be earned with no more than four semester hours below the grade of "C." In the B.S.N. program, all major courses must be passed with a grade of "C" or better, together with satisfactory clinical performance in all clinical courses.

Major Fields

The fields from which majors may be selected are:

Bachelor of Arts

Art
Biology
Business
Chemistry
Computer Science/Business
Computer Science/Mathematics
Economics
Elementary Education
Engineering
English
Health Sciences
History
International Studies
Management
Mathematics
Music
Music and Theatre
Physical Education
Physical Therapy
Political Science
Psychology
Religion
Sign Language Interpretation

Bachelor of Music

Church Music
Music Education
Performance

Bachelor of Science

Nursing

Pre-Professional and Cooperative Programs

The majors in health science and physical therapy are pre-professional in nature, designed to prepare the student for advanced study at another institution. Though the College's graduates have generally been successful in pursuing careers in these fields, completion of either major cannot guarantee acceptance at a professional school, nor does it qualify the student for entry into professional practice.

The major in engineering is a cooperative program, involving three years at Maryville College before transfer to the cooperating institution; further information is available in the section of this catalog on Career and Graduate School Preparation.

Minors

While there is no requirement to do so, any student may elect to complete one or more minor fields. The minor option allows the student to study an area of secondary interest in some depth, and to have that study listed on the academic record. The secondary field may be of a vocational or cultural interest, or it may serve to diversify one's preparation and enhance career opportunities.

A minor consists of at least 15 credit hours in a subject, including 12 hours in courses above the 100-level. Only courses in which a grade of "C" or better is earned are counted toward minor requirements. Specific requirements for each minor are to be found in the departmental listings.

Minors may be taken in most fields in which a major is offered. Minors are also available in the following areas:

Accounting
American Studies
Medieval Studies
Philosophy
Physics
Sociology
Spanish
Theatre

Special Requirements

Independent Study

One of the distinctive features of a Maryville education is the independent study project. Every degree candidate completes such a project in the major field, under the guidance of a faculty supervisor. The subject is of the student's own choosing, and may take the form of literary or historical investigation, laboratory or field research, an interpretative effort, or creative activity in art or literature or music.

The independent study requirement allows the student to exercise initiative, plan and complete a substantial piece of work, and gain the confidence and pride that comes from accomplishment.

Comprehensive Examination

In the final semester of the senior year every student takes a comprehensive examination in the major field. The examination is designed to test the breadth and depth of understanding of the field, and to assess how well material from individual courses has been integrated.

The nature of the examinations varies from department to department.

Some are developed entirely by the department, while others may consist of a national standardized test supplemented by locally developed questions.

The grade received on the comprehensive examination becomes part of the total academic record, and quality points may be added or subtracted according to performance. For a grade of "A," 4 quality points are added; for "B," 2 points. A grade of "C" does not affect the quality point total; for "D," 2 quality points are subtracted. A grade of "F" requires a reexamination at a regularly scheduled period. No more than two reexaminations are permitted, and a passing grade must be attained within two years of the first attempt.

Life Enhancement Program

The Maryville College Life Enhancement Program (MCLEP) is a means to enrich and diversify the student's educational experience through a combination of curricular and co-curricular activities. In the program each student works closely with a faculty or staff mentor to identify or design projects appropriate for his or her personal growth. The projects commonly fall into the categories of service, creativity, adventure, or self-management/health.

A central feature of each project is the maintenance of a personal journal, the purposes of which are to encourage careful observation and reflection, and to deepen knowledge of oneself. Through completion of an individually-designed project, undertaken outside the curricular structure, the student earns one credit hour. When a project is done in connection with a course, only the credit hours appropriate to that course are awarded.

For students in the Classes of 1991 and 1992, one MCLEP project is required for graduation; other projects may be completed if the student wishes. Those in the Classes of 1987-1990 are allowed to participate if they choose. Written descriptions of completed projects may be used to create a portfolio of experiences. Such a portfolio serves to document personal growth, much as an academic transcript documents intellectual growth.

English Proficiency Examination

In coursework and personal relations each student is steadily encouraged to develop the capacity to communicate effectively in written and spoken English. That capacity must also be demonstrated through satisfactory performance on an English proficiency examination, required of every student. The examination consists of an essay on a topic chosen from a group of topics of current interest. The essay is evaluated by two or more members of the English staff, who consider its organization, grammatical correctness, clarity, and overall quality.

The examination is given in the second week of each semester. Every student must take the examination not later than the spring semester of the sophomore year. Transfer students with sophomore standing who have completed freshman English must take the examination during the first semester of enrollment.

The examination must be passed before enrollment in Independent Study, usually a culmination of one's work in the major field. Any student who fails the examination will have an opportunity to correct deficiencies through remedial laboratories. The test must then be retaken the following semester. A second failure requires the retaking of English 104 on a non-credit basis. Passing that course with a minimum grade of "C" satisfies the proficiency requirement.

Special Learning Opportunities

Every student's program of study centers on the familiar work of classroom and laboratory, library and studio. Yet important learning also takes place in less familiar settings, where the student is called upon to adapt to a new environment, to act without one's customary support system, to develop trust in one's own resources of intelligence and discipline. It is to encourage that kind of learning, so critical to personal maturity, that the College makes available a variety of special programs.

Interim

The Interim program complements the traditional curriculum with special opportunities for exploration and growth. During the three weeks devoted to the Interim, students concentrate on a single course. The subjects pursued vary greatly from year to year, and the courses offered are not generally available during the rest of the academic year. Most Interim courses are offered in January, but a few involving off-campus activities are scheduled during the summer.

In lieu of a scheduled course, an upperclassman may propose an independent project to be undertaken during the Interim period. The project requires a campus sponsor, a carefully developed plan, and the approval of the Interim committee.

Satisfactory completion of three Interims is required for the student enrolled at Maryville College for four years. The requirement is adjusted proportionately for the transfer student. Two of the three Interims must concentrate on experiential learning. One of the experiential Interims must be centered off-campus and involve a significant change in living environment for a week or more. No more than 15 semester hours earned in Interim courses may be counted toward graduation requirements.

International Study

Mark Twain once wrote that "Travel is fatal to prejudice, bigotry and narrow-mindedness—all foes to real understanding." Recognizing the validity of that statement, Maryville College believes a period of travel and study outside the United States should be a part of one's education whenever possible. Confronting other cultures and viewpoints, learning about the customs and practices in other societies, coping with unfamiliar surroundings in a language not fully one's own can do much to deepen insights and broaden perspectives. Such experience can also foster remarkable personal growth.

A range of opportunities for guided travel and study is available. Some of these are sponsored directly by Maryville College. In recent years, for example, groups of students and faculty have used the Interim period for trips to Great Britain and Peru. For more extended periods, however, it is advantageous for the College to associate with other institutions to expand and diversify what can be done. Through such associations Maryville students can experience life and study in many areas of the globe.

Kansai University of Foreign Studies in Osaka, Japan, provides a way for students to learn first-hand about East Asia. The curriculum focuses on Asian Studies, and provides an important supplement to the coursework

in international studies offered on the Maryville campus. Those who begin the study of the Japanese language at Maryville may continue it at Kansai University, or they may begin it there.

For the benefit of those whose use of the language is not advanced, most of the instruction is conducted in English. Dormitory housing is available, but students may also choose to live with a Japanese family in order to participate more fully in Japanese life. The courses taken and the grades earned at Kansai University are fully credited toward graduation requirements, and the grades are incorporated into the Maryville grade point average.

Through the American Institute for Foreign Study, programs for a summer, a semester, or a full year are offered. Most of these are centered in Western Europe, including Britain, France, Italy, Spain, the Federal Republic of Germany, and Switzerland, but opportunities are also available in Austria, Greece, and the Soviet Union.

Students interested in Latin America may enroll at Centro de Estudios Universitarios Colombo-Americano (CEUCA) in Bogota. The period of study may be for a summer, a single semester, or an entire year. Since all instruction is in Spanish, at least one year of intensive study of the language is required before enrollment; two years is preferred. CEUCA is sponsored by the Great Lakes Colleges Association.

By arrangement with Kalamazoo College, Maryville students may spend six months or more studying at an African university or college. Opportunities are normally available at two institutions in Sierra Leone, and often at universities in Liberia, Senegal, Nigeria, and Kenya. Participation is dependent upon admission by the African institution and selection by Kalamazoo College, but a place can usually be found for qualified students. For most programs, a summer's preparatory work at Kalamazoo is required.

A period of study abroad is possible at any time after the freshman year, but most students find the junior year, or the preceding summer, the most convenient time. Planning needs to be started well in advance, and is best done in close consultation with the Advisor on International Study. The programs listed here all carry full academic credit.

Moreover, students receiving financial aid usually continue to receive most of the assistance they would have if they were taking courses on the Maryville campus during the regular academic year. For that reason, the benefits of study abroad often can be obtained for a lower additional cost than many students expect.

Internships and Practica

Many academic departments offer opportunities for students to gain practical experience, usually related to the major field, through an internship or practicum. These supervised experiences provide a chance to apply knowledge and skills in an operational setting, while testing one's interest in a particular career or profession.

Possibilities range from individual work with exceptional children in the College's Learning Center to editorial duties in a publishing house to service as an aide to a public official. The credit earned is in proportion to the scope and duration of the experience, up to a maximum of six hours for an extended practicum and 10 hours for an internship.

Such experiences are routinely available for students in art, business,

English, management, physical therapy, psychology, recreation,sign language interpretation, and teacher education; and they can be developed in other areas to meet student interest.

Intercollegiate Debate

The program in debate provides opportunities to develop talents and abilities that are highly valuable in a variety of pursuits. Debate activities center on participation in tournaments involving debaters from other leading colleges and universities throughout the Southeast. Most of the tournaments are scheduled for the period December through March. In preparation for these competitions, students strengthen their skills in research, interpretation of data, organization of information, and persuasive presentation.

Debate tryouts are open to all students, but team membership is selective. Team members enroll in the program for both fall and spring semesters. For each semester of participation, one credit-hour is earned.

The Washington Experience

For the student who wishes to spend a semester learning in the nation's capitol, the Washington Center for Learning Alternatives provides a variety of possibilities. An internship, supplemented by seminars, may be arranged with any one of more than 400 governmental and social agencies. WCLA invites applications without regard to the student's field, but its programs are particularly suitable for those considering a career in law, public administration, or social service.

Research and Field Work in the Natural Sciences

Through several major research facilities, arrangements are made for superior students to participate in scientific investigation and experience a professional research environment. The Argonne Semester is open to qualified students in biology, chemistry, computer science, mathematics, and physics. Those accepted by the Argonne National Laboratory, Argonne, Illinois, spend a portion of the senior year there, working under the supervision of a scientist or engineer on an on-going research porject.

At the Savannah River Ecological Station at Aiken, South Carolina, summer programs are offered for the student interested in environmental research or computer modeling systems. For the exceptional biology major, intensive sessions in botany, marine ecology, developmental biology, invertebrate zoology, and neurophysiology are available at the Marine Biological Laboratories of the Woods Hole Oceanographic Institute in Massachusetts.

Closer to the College campus, the Oak Ridge National Laboratories regularly afford Maryville students the chance to participate in a variety of short-term and summer research and study programs.

Individual Study Course

For a course in the major field a student may substitute a program of individual reading or experimental work. The student must have at least junior standing. Such a program is pursued under the guidance of a faculty member, who confers regularly with the student and assesses progress. Approval of the deparment chairperson is required, and an additional fee is charged.

Honors Study

Students of superior ability may choose to pursue honors study related to courses in which they are registered. The honors work goes beyond basic course requirements, and may take the form of additional reading, writing, experimentation or creative work, or any combination of these.

Arrangements for honors work are negotiated with the course instructor and require the approval of the department or division chairperson. Eligibility for honors study requires a cumulative grade point average of at least 3.40. Honors study does not increase the credit hours earned in the course, but successful completion of the work undertaken is entered on the student's record.

Program on Community Issues and Values

To supplement classroom learning, the College schedules an extensive program of lectures, presentations, and performances. These take the form of weekly convocations attended by students, faculty, and staff, as well as residents of the local community. The series seeks to inform the entire College community about critical issues in politics, religion, economics, social relations, international affairs, and the arts, and to engage participants in discussion of the value considerations posed by those issues.

Several of the events each year are linked to particular courses in the general education program, and participation in those events is an integral part of those courses. Otherwise, attendance is voluntary. A student who attends regularly, and verifies that attendance, may earn credit toward graduation. For attending 14 events, one credit-hour is earned; a maximum of six credit hours may be earned in this way.

There is no admission fee, but the student who wishes to receive credit for attendance is subject to an overload charge if the normal load for the semester is exceeded.

Career and Graduate School Preparation

Maryville College believes that the best undergraduate preparation for a career is the enhancement of critical skills, the acquisition of broad-based understanding, and the developoment of personal creativity and competence. These are the traditional emphases of liberal arts education, and their value is widely recognized by the better graduate and professional schools.

The student considering application to such schools should consult their catalogs for admissions requirements; most graduate and professional schools do not require a specific major. Counsel should also be sought from one's faculty adviser in planning the program of study at Maryville. Additional guidance about careers may be found in the information that follows.

Arts and Sciences

Maryville graduates pursue advanced degrees in all the major fields of knowledge, and many pursue interests discovered and developed at the College. Careers in college teaching, research, and industry attract a significant number. A strong record in one's major field, as well as evidence of self-discipline and effective communications skills, are important considerations for graduate school admissions committees.

For many schools, high scores on the Graduate Record Examination are necessary, and reading knowledge of at least one foreign language is expected. Advice about study in a particular discipline can best be obtained from the appropriate department chairperson.

Business

Careers in some aspect of business attract a large proportion of the current generation of college students. For those interested in self-employment or work with a small firm, a major in general business may be adequate preparation. For the student aiming toward a larger corporation, however, and for those planning to earn a master's degree after leaving Maryville, the undergraduate major in business may not be the best choice.

Increasingly, major employers and the more highly regarded business schools emphasize that they can provide the specialized preparation needed, that it need not be acquired in the undergraduate years. More important in many ways than the specific undergraduate major are the capacities to learn quickly, to think critically and analytically, to speak and write clearly, and to be effective in personal relations; these qualities can be developed in most fields of study.

Thus the student interested in a business career might do well to major in another area, while taking some courses, or a minor, in business or accounting or computer science. Consideration should also be given to a major in management, which combines work in several related disciplines.

Church-Related Vocations

Students interested in the ministry, religious education, church music, or other church-related vocations pursue a variety of majors. Religion or church music are obvious choices. Also helpful is work in art, English, history,

philosophy, psychology, and sociology, among other fields. Information and counsel about church-related careers and about seminary training are available from the Chairman of the Department of Religion and Philosophy and the Campus Minister.

Engineering

Through cooperative arrangements with the Georgia Institute of Technology and the University of Tennessee, Maryville enables a student to combine extensive preparation in the liberal arts with professional training in engineering. Both arrangements allow the student to earn two degrees in five years of study. The first three years are spent at Maryville, completing college requirements and the courses necessary for further study in engineering or applied science; the last two years are spent at the cooperating institution.

Upon satisfactory completion of the fourth year of the combined program, with grades of "C" or higher, the student will receive the B.A. degree from the College. When all requirements for junior and senior engineering students have been met, usually by the end of the fifth year, the cooperating institution will award the Bachelor of Science degree in the area of specialization.

The second degree may be earned in over a dozen engineering fields, as well as in the applied sciences, including biology, chemistry, information and computer science, mathematics, physics, and psychology, and in industrial management.

Admission to either cooperating institution requires the recommendation of the College's Dual Degree Coordinator, but the decision to admit rests with the other institution, not with the College. Admission to some engineering fields is very competitive, reflecting the current high demand for places in an entering class.

The Georgia Institute of Technology requires a minimum grade point average in courses in mathematics and science, and in all courses taken, for the first three years of college work. These minima, which have been rising sharply in recent years, may vary according to the intended major; they are somewhat lower for Georgia residents than for non-residents. Any student interested in pursuing the dual degreee option is urged to consult the Dual Degree Coordinator in the Department of Mathematics, Physics, and Computer Science, as early in the freshman year as possible.

Interpreting for the Deaf and Hearing-Impaired

Recent years have seen a growing awareness of the special needs of handicapped people, and efforts to meet those needs have been renewed. As a result, there are expanding career opportunities for those with the understanding, commitment, and skills to assist persons with handicaps to make their maximum contributions to society. Since 1974, Maryville College has pioneered in the preparation of interpreters for the deaf and hearing-impaired.

The College offers a major in interpreting, one of the few four-year programs of its kind in the country. The program is designed primarily to train students to serve as interpreters, but it also provides a foundation for those wishing to work with the hearing-impaired in other capacities. A significant proportion of the program's graduates have discovered that their preparation has enabled them to move rapidly into supervisory and mangerial positions.

Law

The practice of the law requires specialized training at a law school and subsequent qualification for admission to the bar. When considering candidates for admission, law schools do not require any specified pattern of undergraduate preparation. Almost any major offered by a liberal arts college is acceptable, but economics, English, history, and political science are among the majors recommended.

It is especially important that any prospective law school candidate have an understanding of social, economic, and political institutions, and be able to think, speak, and write clearly. Admission to law school is usually determined by the total undergraduate record and one's score on the national Law School Admissions Test. Further information is available from the Pre-Law Adviser in the Division of Social Sciences.

Medicine and Other Health-Related Professions

For over a half-century an unusually high proportion of Maryville graduates have entered health-related professions, particularly medicine and dentistry. Optometry and veterinary medicine also provide attractive possibilities for the student who is adept in the natural sciences. All these careers require preparation at a professional school following completion of undergraduate work at Maryville. Admission to such schools is highly competitive, usually requiring a superior academic record in college and high scores on national standardized tests.

Students planning to enter these fields usually major in biology or chemistry, or follow the cross-disciplinary pre-professional program in the health sciences described in the departmental listing of this catalog. For details about the admissions requirements of a particular school, the catalog of that institution should be consulted. The Adviser on Health-Related Professions is also glad to provide counsel and assistance.

Music Therapy

A career in music therapy requires preparation in music, psychology and therapeutic techniques. Maryville does not offer a degree in this field, but most of the required course work is available. The Bachelor of Music degree, with a major in music education and supplementary courses in psychology, should be pursued. Certification requirements to qualify as a registered therapist can then be completed with additional coursework and an internship at a suitable graduate school. The Chairman of the Division of Fine Arts should be consulted for advice.

Nursing

Nursing has long been one of the central professions in the health care field. As a result of sweeping changes in that field, the profession itself is changing rapidly, adapting to new technologies, new systems for the delivery of care, and new expectations. Preparation for nursing careers is now centered

primarily in colleges and universities, and the baccalaureate degree is increasingly considered the basic preparation for the professional nurse.

At Maryville, the Bachelor of Science in Nursing degree combines extensive training in nursing theory and clinical practice with a firm grounding in the established disciplines of the humanities and sciences. The program serves both generic students, who are preparing for the state licensing examination as they pursue the degree, and completion students, those already licensed as registered nurses who are seeking the degree as a means of professional advancement.

For both groups, the curriculum is highly structured, requiring careful planning to complete course sequences on schedule. That planning is best done in close consultation with the Director of Nursing Education. The College's program operates in conjunction with the Fort Sanders Regional Medical Center, a 575-bed hospital in Knoxville that provides access to essential clinical facilities and other resources.

Approval of the program by the Tennessee Board of Nursing is expected in the spring, 1987.

Teaching

For the person who enjoys learning, sharing one's knowledge, and helping young people grow, teaching can be a rewarding career. The College offers a major in elementary education and the professional courses necessary for certification to teach at the secondary level. Students preparing for secondary teaching combine a major in a subject discipline with the courses for certification; many earn certification in two subjects.

College requirements for both the elementary and secondary programs are described in the departmental listings of this catalog. Certification requirements vary from state to state; the Registrar can provide specific information and advice.

General Academic Procedures and Regulations

Course Load

To complete a degree in four years, an average of 32 credits a year must be earned. In the typical pattern, a student carries 14 or 15 credit hours in each of the semesters and three credit hours during an Interim period. No more than three credit hours may be taken in one of the three-week periods, whether Interim or summer session.

A full-time student is also permitted to audit one course each semester without additional charge. Permission of the individual instructor is necessary. The audit does not count toward graduation requirements, but it does appear on the permanent academic record if attendance is satisfactory.

Late Enrollment and Withdrawal

Students are expected to attend the first class meeting of each course. After the first meeting, enrollment in the course is possible only with the permission of the adviser and the instructor. After the first week of classes, enrollment is possible only with the permission of the adviser, the instructor, and the Academic Vice President. Permission to enter a course after five class meetings is given only in rare circumstances.

Withdrawal from a course after the semester has begun requires the approval of the instructor and the adviser and the filing of a completed withdrawal form with the Registrar. A course may be dropped with a notation of "W" (withdrew) during the first five weeks of the semester. Between the fifth week and the end of the eighth week, the notation is "WP" (withdrew passing) or "WF" (withdrew failing), depending on one's performance at the time of withdrawal. After the eighth week, the notation is "WF."

A decision to cease attending classes does not constitute withdrawal from a course. Withdrawal is official only on the day the form, properly signed, is filed with the Registrar.

Class Schedule

Classes are scheduled Monday through Friday. Most courses meet three times a week, though instructors are free to schedule additional sessions as needed. Many courses in the natural sciences, and some in other areas, routinely meet four or five times a week. Laboratories in the sciences and drill sessions in foreign languages are usually held at times different from the scheduled class period, including late afternoons.

Class Attendance

Regular attendance at classes is expected of all students, though each instructor is free to set whatever attendance requirements for an individual course are deemed suitable. These requirements are announced at the first meeting of the class.

The College recognizes as legitimate reasons for occasional absence such difficulties as illness, accident, family grief, or pressing personal respon-

sibility. If absences for these or other reasons exceed four, the student should explain the problem to the instructor, or the instructor may initiate the discussion. If excessive absences persist, the student may be dropped from the course with a grade of "F." Such action is at the instructor's discretion, following consultation with the Academic Vice President, but it is neither mandatory nor automatic.

Occasionally students who represent the College in off-campus activities find it necessary to miss classes. These absences are officially excused. The number of such absences, however, may not exceed five meetings of a class.

Student Classification

Students are classified as full-time or part-time, as degree candidates or special students, and according to class standing.

Students registered for a minimum of 12 hours a semester are classified as full-time. Those registered for fewer than 12 credit hours are classified as part-time.

Degree candidates are those recognized by the College as pursuing studies leading to a baccalaureate degree at Maryville College. Special students are not recognized as degree candidates, though they do receive full credit for academic work completed with passing grades. The status of special student may be chosen by any student who does not plan to apply for a Maryville degree, or it may result from action of the College if the academic record does not warrant degree candidacy.

Class standing is determined by the number of credit hours earned, the portion of general education requirements met, and the quality of work done, as reflected in the cumulative grade point average. The minimum requirements for class standings above the freshman level are as follows:

For sophomore standing, 29 credit hours with a grade point average of 1.65.

For junior standing, 59 credit hours with a grade point average of 1.85.

For senior standing, 94 credit hours with a grade point average of 1.95.

Academic Standards

Grading System

The grading system at Maryville is as follows:

A—Excellent
4 quality points per semester hour
B—Good
3 quality points per semester hour
C—Satisfactory
2 quality points per semester hour
D—Passing
1 quality point per semester hour
F—Failed
No quality points

Students are graded by this system in all required general education courses, most electives, and all courses taken to meet major requirements (with the possible exception of Independent Study 351-352 noted below).

In some situations grades of "S" (Satisfactory) and "U" (Unsatisfactory) are used. The "S" grade is understood to be the equivalent of at least a "C." All Interim courses are graded on this basis. At the student's option, one elective course each year may be graded "S" or "U." The student may also choose to take Independent Study 351-352 under this system. A decision to take a course on an "S/U" basis must be made during the first week of the semester, and the decision filed in the Registrar's Office. Such a decision is final and may not be reversed.

In the following exceptional circumstances these grades are given:

I—Incomplete
: Given as a temporary grade when a course cannot be completed due to reasons beyond the student's control; becomes an "F" unless the work is carried to completion by the end of the next semester the student is enrolled.

W—Withdrew
: Given when a course is dropped during the first five weeks of a semester; does not affect grade point average.

WP—Withdrew Passing
: Given when a course is dropped in the sixth through eighth week while the student is doing satisfactory work; does not affect grade point average.

WF—Withdrew Failing
: Given when a course is dropped after the eighth week, or in the sixth through eighth week while the student is doing unsatisfactory; affects the grade point average as would an "F."

Grade Point Average

The grade point average (g.p.a.) for a semester is computed by dividing the total number of quality points earned by the credit hours attempted during the semester. The cumulative g.p.a. is based on all quality points earned and credit hours attempted at Maryville College (except that a repeated course is counted only once). Courses completed satisfactorily at other institutions may count toward graduation requirements, but they are not counted in computing the g.p.a.

Notification of Grades

Students are notified by mail of grades earned as soon as possible after the end of each semester. The grades become part of the student's permanent academic record on file in the Registrar's office. In accordance with the Family Educational Rights and Privacy Act, grades are not sent to parents or guardians unless (a) the student requests that this be done, or (b) the parent or guardian makes such a request, certifying that the student is a dependent as defined by the Internal Revenue Service. Such requests must be written and filed with the Registrar.

The Dean's List

The Dean's List is composed of those students whose academic performance was distinguished in the previous semester. To qualify, a grade point average of at least 3.25 in all work undertaken must be earned, with no grade below "C."

Graduation Honors

To qualify for graduation with honors, a student must have completed at least 64 credit hours at Maryville College. The cumulative grade point average determines the level of honors. The three levels of honors and the minimum grade point averages required are:

Summa cum laude:	*3.95*
Magna cum laude:	*3.75*
Cum laude:	*3.40*

Academic Standing

It is the responsibility of the individual student to maintain good academic standing and to make normal progress toward a degree. The record of each student is regularly reveiwed by the Registrar. Any student whose cumulative grade point average falls below 2.0 is placed on academic probation. To continue enrollment in probationary status, the student must show steady improvement in academic performance.

At the end of the academic year careful consideration is given to the record of each probationary student. If the student falls below minimum standards for credit hours and cumulative grade point average, he or she is not considered to be making normal progress toward a degree.* The student is then subject to suspension from the College, or to a change from degree candidacy to special student status. These minimum standards are described in the *Student Handbook*.

A student suspended from the College may apply for readmission after a period of satisfactory academic work at another institution or other successful work experience. The period of suspension is usually a calendar year, but it may be shorter if circumstances warrant. A student placed in special student status by action of the College may continue enrollment and, when the cumulative g.p.a. is raised to 2.0, petition for readmission to degree candidacy.

A decision to suspend may be appealed to the College's Committee on Admission and Standing. In such an appeal, the obligation rests with the student to explain the special considerations that support continued enrollment.

*Exceptions are made for those students with verified handicaps and those for whom English is a second language.

Conferral of Degrees

Degrees are formally conferred at the Commencement exercises held annually at the close of the spring semester. Though requirements may be completed at other times during the year, degrees are officially awarded only at those exercises.

Student Responsibility

Each student is expected to be thoroughly familiar with the academic requirements of the College, as stated in the *Catalog* and the *Student Handbook*. The responsibility for meeting all requirements for graduation rests entirely upon the student. Faculty advisers, department chairpersons, the Registrar, and the Academic Vice President welcome the opportunity to provide assistance, but the basic responsibility remains with the student personally.

The Bachelor of Arts Degree

The Bachelor of Arts degree embodies the conviction that liberal learning is the best preparation for a satisfying and successful life, whatever one's vocation. The degree allows students to prepare for a variety of careers and professions, but it emphasizes the cultivation of those intellectual and personal qualities that mark the educated person. Through the enhancement of skills and knowledge, the deepening of sensitivities, and the clarification of personal purpose, students learn to deal responsibly with a world of uncertainty and accelerating change.

The curriculum provides opportunity for study over a broad range of subjects as well as more intensive work in a field of special interest. Each student's program of study includes three components: general education courses, major and major-related courses, and electives.

The general education component includes a few specifically required courses, but in most areas choices may be made among several options. Some individual requirements in general education are waived by virtue of the student's major; others may be met by demonstration of competence.

Major and major-related courses enable the student to gain familiarity with research methods and a body of detailed knowledge. More important, perhaps, they help the student understand what it means to know something well.

Electives are any courses taken beyond the general education and major or major-related requirements, including those offered during an Interim period.

General Education

Each student must satisfy the course requirements specified below, either by passing the course, or by demonstrating competence and knowledge through special examination, or by meeting the condition specified for a waiver. The courses are designed for the purposes of general education and are part of no major program.

Freshman Inquiry Seminar and Orientation 110
English 130
Foreign Language 110 and 120[a]
Mathematics 120[b]
Natural Science 150[c] and 250[d,e]
Fine Arts 210[f]
Social Science 220[g]
World Religions 310
The Humanities Sequence
African Studies 310 or East Asian Studies 320
Humanities 390

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[a] Not required of students who demonstrate sufficient oral and aural facility in a second language.

[b] Not required of students majoring in chemistry, mathematics, or pre-engineering or who otherwise demonstrate competence in all four components of the course.

[c] Natural science 150 is waived for students with a major in the natural sciences, mathematics, physical education, physical therapy, pre-engineering or psychology, or a minor in the natural sciences or psychology. Natural science 250 is not required of students with a major in the natural sciences, mathematics, physical therapy, pre-engineering or psychology, or a minor in the natural sciences or psychology. Students majoring in Computer Science/Mathematics may petition to substitute two laboratory courses in one of the natural sciences (biology, chemistry, physics) for Natural Science 150 and 250.

[f] Students majoring in music or art may petition for a waiver.

[g] Not required of students majoring in business administation, economics, management, or political science.

Freshman Inquiry Seminar and Orientation 110
A course designed to acquaint the student with one or more of the primary approaches to knowledge, including the methods of inquiry, assumptions, and operating principles characteristic of related disciplines. Close attention is given to techniques of systematic questioning, data collection, documentation, and formation of conclusions. Through writing exercises and oral presentations, individual initiative and the development of communications skills are encouraged. The course is offered in multiple sections, with each section investigating a different topic.
Corequisite: Taken simultaneously with English 130. 4 credit hours

English 130: Composition and Research.
A course in organization and research methods, with major emphasis on the library paper. It also includes a review of the mechanics of writing, a study of the methods of rhetoric, attention to style, and practice in oral reports.
Prerequisite: Placement into the course, or English 104. 3 credit hours

Foreign Language 110 and 120
Introductory courses in French, German, Greek, Japanese, Latin or Spanish, or the equivalent in American Sign Language (ASL 101-201). Detailed descriptions are found in the departmental courses listings.

Mathematics 120: Probability, Statistics and Computing
An introduction to the skills necessary for organizing, describing, and interpreting numerical data. Topics covered include logic, probability, measures of central tendency, standard deviation, correlation, and the normal distribution. The laboratory emphasizes the use of calculators and the computer in processing numerical data. 4 credit hours with laboratory
3 credit hours without laboratory
Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.

Natural Science 150: Principles of Scientific Investigation
An introduction to the formulation of scientific questions, fundamentals of observation and measurement, acquisition of data, and drawing of logical conclusions. Courses are offered in astronomy, biology, chemistry, and physics, but each course emphasizes the approaches and techniques common to all scientific investigation. Laboratories and/or field experiences. Cannot be counted toward a major in a natural science discipline. 4 credit hours
Prerequisite: Proficiency in mathematics above the Mathematics 105 level.

Natural Science 250: Topics in Natural Science
An examination of selected topics from an interdisciplinary perspective. The course seeks both to deepen understanding of scientific principles and to demonstrate the diverse effects of science and technology on contemporary society. Offered in multiple sections, with each section considering a different set of topics in the natural sciences. Open to students majoring in the natural sciences only by permission. 3 credit hours
Prerequisite: Natural Science 150 or another suitable laboratory course; Mathematics 120 or its equivalent.

Fine Arts 210
An introduction to aesthetic questions, values and benefits. Artistic achievements and modes of expression are studied in three media selected from architecture, drama, music, and visual arts. The course includes guided participation and creation in these fields. 3 credit hours

Social Science 220: American Institutions
An examination of the structure and functioning of the major social institutions of the United States. Emphasis is placed on economic, political, religious and family institutions and on their interrelationships. The course should be taken in the sophomore or junior year; it is open to seniors only with permission of the instructor. 3 credit hours

World Religions 310
An introduction to the study of religion as a universal human phenomenon. Among the religions considered are Islam, Judaism, Hinduism, Taoism, Buddhism and Christianity, as well as some primitive religions. Multiple sections of the course are offered; different sections emphasize different traditions.
Prerequisitie: Junior or senior standing. 3 credit hours

African Studies 310
An examination of sub-Saharan Africa and African peoples from the development of early cultures and empires to the re-emergence of independent states. Emphasis is on West Africa. Approach is holistic, integrating history, societal institutions, religion, arts and economy.
Prerequisite: Junior or senior standing. 3 credit hours

East Asian Studies 320
An introduction to the peoples and societies of China, Japan and Korea. The course surveys major cultural and institutional trends from their origins through the establishment of traditional empire. Asian responses to western influences are traced and changing patterns in politics, economics and daily life examined.
Prerequisite: Junior or senior standing. 3 credit hours

Humanities 390: Values and Decisions in Contemporary Society
A course designed to increase ethical sensitivity and develop the capacity to weigh matters of moral choice. Cross-disciplinary in approach, the course encourages students to bring their separate disciplinary perspectives to bear on problems involving values in conflict. Values analysis and modes of ethical reasoning are stressed, with a view toward helping students learn how to arrive at responsible decisions in situations of complexity and ambiguity. Multiple sections of the course are offered; some deal with a single issue; others consider a combination of topics.
Prerequisite: Junior or senior standing. 3 credit hours

The Humanities Sequence

The sequence of courses in the humanities is designed to deepen comprehension of the western heritage, with particular attention to those elements that have emerged from Judeo-Christian and Greco-Roman roots. Different eras and issues are studied, using the approaches of several humanistic desciplines, to help the student to view that heritage holistically, to discern connections among patterns of thought, various forms of creative expression, and socio-economic and political developments. While fostering better understanding of western culture, the sequence also provides an important base for the subsequent study of Asian or African cultures. In addition, each course stresses practice and improvement in communications skills through written assignments and group discussions.

Five courses are to be chosen as follows: either 160 or 180; two courses, to be taken simultaneously, from 260, 270, and 280; two courses from 360, 370, and 380. If 160 is taken, 260 or 360 must also be taken, but both may not be chosen to meet the requirement. Similarly, if 180 is taken, 280 or 380 must also be taken, but both may not be chosen to meet the requirement. Selection of courses in this way insures a substantial introduction to each of the periods to be considered as well as familiarity with the approaches used in the three tracks in the sequence.

Humanities 160: Origins of Western Religion and Thought
Biblical and Classical literature, beliefs, and practices are examined as they emerged from the ancient Mediterranean and Near Eastern worlds through the second century A.D. Major works, practices and ideas are considered in a chronological and social context. 3 credit hours
Prerequisite: English 104 or equivalent preparation.

Humanities 180: Roots of Western Civilization
The cultural origins of Judeo-Christian and Greco-Roman heritages are viewed from historical and literary perspectives. Biblical and Classical literature, artistic and scientific achievements, political and socio-economic trends and events are considered chronologically. 3 credit hours
Prerequisite: English 104 or equivalent preparation.

Humanities 260: Formation of a Europeon Tradition
The history of western thought from the third to the 18th century, with attention to philosophical, religious, socio-economic, scientific, aesthetic and political ideas. The course traces the merging of Judeo-Christian and classical concepts, and the absorption of Germanic, Islamic and Mongol influences, to form a distinctive European tradition. Readings from primary sources and lectures are supplemented by directed seminars and panel discussions. 3 credit hours
Prerequisite: Humanities 160 or 180, and English 130.

Humanities 270: Western Literature from the Roman to the Baroque
The central concern of the course is with the concepts of spiritual and physical vision. The course introduces the Christian concept of the penitential journey (the cleansing of the "inner eye") to spiritual insight and shows its relation to the earlier classical concept of catharsis. Through consideration of sight vs. insight, physical vs. spiritual journey (or quest), physical vs. spiritual wasteland, lectures and reading attempt to give a perspective on the continuity and universality of the human journey from antiquity to modern times. 3 credit hours
Prerequisite: Humanities 160 or 180, and English 130.

Humanities 280: The Rise of Europe: Synthesis and Schism
An historical survey of western institutions, thought and culture from the decline of Rome to the Age of the Baroque. The central consideration is the fusion of the Greco-Roman and Judeo-Christian roots of western civilizations, the elaboration of that civilization, and its enrichment through contacts with Asia, Africa, and the Americas. 3 credit hours
Prerequisite: Humanities 160 or 180, and English 130.

Humanities 360: Modern Western Thought
The history of western thought from the Enlightenment to the present. The emphasis is on modifications in the Europeon intellectual tradition, in response to scientific discovery, technological revolution, and newly encountered cultures.
Prerequisite: Two courses from Humanities 260, 270, and 280. 3 credit hours

Humanities 370: Modern Literary Masterpieces
A course designed to acquaint the student with major literary works of the West from 1650 to the present—from Moliere through Goethe to Faulkner. Consideration is given to the interrelationship of philosophical, historical, and aesthetic movements as they bear on the literary expressions of the age. 3 credit hours
Prerequisite: Two courses from Humanities 260, 270, and 280.

Humanities 380: The West in Modern Times
An integrated examination of the science, thought, arts and society of the West since the 17th century. Attention is given to new modes of production and social organization, emerging outlooks and ideas, scientific and artistic developments. 3 credit hours
Prerequisite: Two courses from Humanities 260, 270, and 280.

Specialized Programs of Instruction

On the following pages the College's major and minor programs are described, along with the individual courses that are a part of each program. Only courses regularly offered are listed. Courses offered during Interim periods, which are frequently experimental and experiential, are not included.

Courses numbered 101-199 are primarily for freshmen, 201-299 for sophomores, and 300-399 for juniors and seniors. A few courses, numbered 401 and higher, are intended for seniors only. Close attention should be given to the prerequisities listed for courses above the 100-level.

Many courses are given in alternate years; the year the course is to be offered follows the course description. If no year is stated, the course is given annually.

The College reserves the right to withdraw or reschedule any course for which the number of qualified enrollees is insufficient. If a sufficient demand for additional courses arises, they may be offered.

Commitee on American Studies

Professor Parker, Coordinator

The committee sponsors a multi-disciplinary minor program in American Studies, involving courses in three fields. The minor consists of 21 hours. Required are History 111-112 and 231, Political Science 122, and English 221. Six additional hours are selected from English 222, History/Business 251, Political Science 321 and 322, History 349, or other suitable topics courses. The courses are described under the respective departmental listings. Students pursuing the minor are encouraged to complete History 111 and 112 before enrolling in the other courses in the program.

History 111: History of the United States to 1865
History 112: History of the United States since 1865
English 221: American Literature to 1865
English 222: American Literature since 1865
History 231: History of American Thought and Culture
History/Business 251: Economic History of the United States
History 349: Topics in American History
Political Science 122: American Government and Politics
Political Science 321: American Political Process
Political Science 322: The Judicial Process

Division of Behavioral Sciences and Human Services

Professor Waters (Chairman); Associate Professor Pollio; Assistant Professors Jacob and Young; Mrs. Sandefur-Yates; Dr. Jett

The Division includes the Departments of Psychology, Education, and Sign Language Interpretation. Each of these departments offers a major program. In psychology both a major and a minor are available. Students considering a teaching career may major in elementary education, or they may major in a subject discipline while completing the courses necessary for certification at the secondary level. The major in sign language interpretation is designed for those interested in helping persons with severe hearing handicaps. A minor in this field is offered as well.

Psychology

A major in psychology consists of 50 credit hours, with 32 hours in major courses and 18 hours in related areas. Required are 101, 312, 313, 351-52, and 15

additional hours. The 18 hours in related courses must include Biology 115 and 215, Chemistry 117, Mathematics 221, and one course chosen from Political Science 121, Sociology 101, or Sociology 211. Students interested in graduate study in psychology are encouraged to take French, German, or Spanish to fulfill the core requirement in foreign language.

Students who choose for elective credit the practicum series, Psychology 343, a, b, c, must complete the prerequisites, Psychology 101, 211, 221, and 334, during the sophomore and junior years. They may begin the practicum series in the junior year. Each practicum may involve three to ten hours experience per week with commensurate academic credit of one, two, or three hours; however, total credit for all practicum experience cannot exceed six hours.

A minor in psychology consists of 101, 313, and three other psychology courses which count toward the major, and Mathematics 221.

101. INTRODUCTORY PSYCHOLOGY
Fundamental principles of human behavior. Attention to the aims and methods of psychology, maturation and development, motivation, emotion, learning, perception, personality, and behavior disorders. 3 credit hours

211. CHILD DEVELOPMENT
Growth and development of the child from birth to maturity. Physical, intellectual, social and emotional aspects of growth are considered as they relate to various stages of maturity. 3 credit hours
Prerequisite: Psychology 101.

221. SOCIAL PSYCHOLOGY
The study of interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied.
Prerequisite: Psychology 101. 3 credit hours

301. THEORIES OF PERSONALITY
An examination of the major theoretical approaches to personality. The course seeks to provide an understanding of the role of personality theory and research in the field of psychology. 3 credit hours
Prerequisite: Psychology 101.

307. PSYCHOSOCIAL ASPECTS OF DEAFNESS
A study of the psychological effects of deafness including the emotional development of the hearing-impaired child. The acquisition and use of language is emphasized in the course. Not to be counted toward a major in psychology. 3 credit hours
Offered 1986-87 and alternate years

312. EXPERIMENTAL PSYCHOLOGY
Methodological approach with a procedural orientation to psychological investigation. Although the course concentrates on methodology, attention is directed to such content areas as structure and function of the nervous system, sensation, perception and emotion. Laboratory practice. 4 credit hours
Prerequisites: Psychology 101, Mathematics 221.

313. PSYCHOLOGY OF LEARNING
The basic principles and theories of learning. Special emphasis is given to empirical laws and controlled studies which illustrate these laws. Laboratory practice.
Prerequisites: Psychology 101, Mathematics 221. 4 credit hours

331. ABNORMAL PSYCHOLOGY
A psychological approach to the causes, symptoms, treatment, and prevention of behavioral disorders. 3 credit hours
Prerequisite: Psychology 101.

333. COUNSELING
Study of counseling techniques in such settings as school, industry, and the clinic. Special emphasis on self- management procedures and interviewing. 3 credit hours
Prerequisite: Psychology 101. Offered 1987-88 and alternate years

334. EXCEPTIONAL CHILDREN
A course designed to examine different categories of exceptionality, including children with special abilities as well as disabilities. Offers opportunities to develop skills in diagnosis, curriculum development, methods, and materials needed with exceptional children. Practical experience with exceptional children is included. 3 credit hours
Prerequisite: Psychology 101, 211, or Education 211.

343. a,b,c PRACTICUM IN PSYCHOLOGICAL SERVICES
Supervised practical experience during the senior year (or beginning late in the junior year) with the Learning Center on campus or with some other agency offering psychological services in the local area. Not to be counted toward a major in psychology. 1, 2, 3 credit hours; not to exceed 6
Prerequisites: Psychology 101, 211, 331, 334; Education 211 or permission of instructor

349. SEMINAR: SELECTED TOPICS IN PSYCHOLOGY
Course content varies from year to year. Previous topics include: Psycholinguistics and Deafness, Aging and Dying, Existential-Phenomenological Alternatives, and Adolescent Development. 3 credit hours
Prerequisite: Junior or senior standing.

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, generally involving the laboratory or a field research problem, and a scientific paper reporting the results. 6 credit hours

Education

Associate Professor Pollio, Coordinator

Teacher education at Maryville College is an interdepartmental function, the responsibility of the College as a whole rather than a single department. The program of preparation combines broad study in liberal arts disciplines, specialized courses in education, and professional training and experience.

For students preparing to teach in grades 1-8, a major in elementary education is offered. Those interested in teaching at the secondary level major in the subject they wish to teach, and take additional courses in education to meet professional requirements.

Requirements for teaching certification vary from state to state. Information about specific state requirements can be obtained through the Registrar, who is the College's certifying officer. Completion of the programs in elementary or secondary education does not automatically qualify the student for certification in all states, but the proper courses are offered to meet certification requirements in most states.

To complete either program in four years, careful planning of one's course of study is necessary to insure that all general education, major and professional requirements are met.

Admission to either of the programs occurs only after certain minimum qualifications are satisfied. A cumulative grade point average of at least 2.2 is required, along with a 2.5 grade point average earned in courses in education and the major field. Satisfactory evaluations are also necessary in personality, health, and social skills. Preliminary screening for admission takes place in the sophomore year, with a second level of screening the junior year. Admission is conditional until the second level has been passed.

Elementary Education

The major in elementary education consists of 54 hours in professional and related courses. Professional courses are Education 208, 211, 322, 324, 325, 331, 334, and 351-352. Additional courses in related disciplines are Art 282, Biology 115 and 116, English 208, Social Science 303, HPER 236, Mathematics 207, Music 306, and Psychology 101. The core requirement for Natural Science 150 should be satisfied with a course in the physical sciences.

Students seeking certification in Tennessee should take, in addition to the above courses, History 111 and 112, HPER 237 and 331, Speech 201, and three hours in physical education activities courses.

Secondary Education

Students complete all major requirements in the subject they wish to teach. Preparation in a second teaching field is recommended. For certification in the social sciences in Tennessee, two fields are required if one of the fields is business, economics, political science, psychology, sociology, or speech. In addition to courses in the teaching areas, the following professional courses are required: Education 208, 211, 327, 328, 332, 334, and Psychology 101. For Tennessee certification, Education 329 must be completed.

208. FOUNDATIONS OF EDUCATION
Historic and philosophic foundations of modern Western education from its beginnings in Classical Greece to the present. 3 credit hours

211. EDUCATIONAL PSYCHOLOGY
Consideration of the principles of learning and cognitive theories and their application in the classroom. Consideration of educational testing and measurement, and the interpretation of educational and psychological data. 3 credit hours
Prerequisite: Psychology 101, Mathematics 120.

322. MATHEMATICS AND SCIENCE IN ELEMENTARY EDUCATION
The course considers suitable methods for teaching mathematical concepts and skills in grades 1-9, and examines ways to foster understanding of the natural world and the approaches to knowledge used by natural scientists. 3 credit hours
Prerequisite: Education 211. Offered 1987-88 and alternate years

324. TEACHING OF READING
Instruction in the varied methods and materials used to teach developmental reading skills, with practical applications. 4 credit hours
Prerequisite: Education 211. Offered 1986-87 and alternate years

325. LANGUAGE ARTS AND SOCIAL STUDIES IN ELEMENTARY EDUCATION
A foundation course in the basic instructional procedures used to teach language arts as a separate subject and as an integral part of the methodology of social studies. Different techniques and materials in both areas are examined. 3 credit hours
Prerequisite: Education 211. Offered 1986-87 and alternate years

326. METHODS AND MATERIALS IN MUSIC FOR GRADES 1-12
A study of methods and materials for general vocal and instrumental music classes. Lesson-planning, observation, song-leading, and basic ability on guitar are emphasized. 3 credit hours
Prerequisite: Education 211. Offered 1986-87 and alternate years

327-328. METHODS AND OBSERVATION IN SECONDARY EDUCATION
An examination of general principles applied in secondary education, including methods, materials, classroom management, and guidance. A substantial part of the term is spent in observation of a secondary classroom. The two courses are taken simultaneously. 6 credit hours
Prerequisite: Education 211.

329. READING IN THE CONTENT AREAS
Instruction in the varied methods and materials used to teach reading in content areas such as English, foreign languages, social studies, music, and physical education. Practical applications are included. The course is necessary for all students in secondary or K-12 levels who wish to be certified in Tennessee. 2 credit hours
Prerequisite: Education 211. Offered 1987-88 and alternate years

331. STUDENT TEACHING IN THE ELEMENTARY SCHOOL
A supervised teaching experience in an elementary classroom under the guidance of a cooperating teacher. The practical experience is supplemented by weekly seminars. Before student teaching is begun, all other professional course requirements except Education 208 must be completed. 6 credit hours

332. STUDENT TEACHING IN THE SECONDARY SCHOOL
A supervised teaching experience in a secondary classroom under the guidance of a cooperating teacher. The practical experience is supplemented by weekly seminars. Before student teaching is begun, all other professional course requirements except Education 208 must be completed. 6 credit hours

334. EXCEPTIONAL CHILDREN
A course designed to examine different categories of exceptionality, including those children with special abilities as well as disabilities. Offers opportunities to develop skills in diagnosis, curriculum development, methods and materials needed with exceptional children. Practical experience with exceptional children is included.
Prerequisites: Psychology 101, 211, or Education 211. 3 credit hours

343. PRACTICUM IN TEACHING THE EXCEPTIONAL CHILD
An opportunity to gain practical experiences in working with exceptional children, including those with special talents and abilities as well as those with learning disabilities. 3 credit hours
Prerequisite: Education 334.

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Sign Language Interpretation

The major in sign language interpretation is designed to prepare students for work with hearing-impaired persons in a variety of situations. While American Sign Language serves as a foundation, all other modes of communication used by the deaf community are introduced as well. Audio-visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with hearing-impaired persons and regular practice using videotaping equipment are principal means for the development of skills.

The major offers two tracks. Track I is for students wishing to become professional interpreters. It consists of 56 credit hours, including 41 hours in major courses and 15 hours in related courses. Major courses are 101, 102, 105, 201, 202, 301, 302, 303, 306, 321, 337-338-339, and 351-352. Related courses are Psychology 101, 307, and 331, Management 302 and Sociology 211 or 215. A supervised internship in an

approved off-campus agency is an essential part of the major program.

Track II is intended for those desiring communications skills for use in counseling, social work, teaching, or other service fields. Track II requires 42 hours, including 30 hours in major courses and 12 hours in related courses. The major courses are 101, 102, 105, 201, 202, 301, 302, 306, 343, 351-352. The related courses required are Psychology 101, 307, and 331, and Sociology 211. Additional courses recommended are Psychology 211, Sociology 215 and Management 302.

A minor in American Sign Language requires 20 credit hours consisting of the following courses: 101, 102, 201, 202, 301, 306, and Psychology 307.

101. SIGN LANGUAGE STUDIES
A survey course introducing sign language and gestural systems used by the deaf community. Topics considered include the history of sign language, cultural factors influencing the language, and structural differences in sign systems. Laboratories provide experience in signing and distinguishing the various sign systems.
3 credit hours

102. AMERICAN SIGN LANGUAGE I
An introduction to the basic grammatical structure and vocabulary of American Sign Language, and to the visual and conceptual skills necessary for communication.
Prerequisite: American Sign Language 101. 3 credit hours

105. FINGERSPELLING
Instruction in fingerspelling with practice in expressive and receptive skills.
2 credit hours

201. AMERICAN SIGN LANGUAGE II
Further study of the grammatical structure of American Sign Language and the expansion of vocabulary for the production of language in various social situations.
Prerequisite: American Sign Language 102 or permission of the instructor. 3 credit hours

202. AMERICAN SIGN LANGUAGE III
Development of conversational fluency. Laboratory classes are used to expand expressive and receptive skills. 3 credit hours
Prerequisite: American Sign Language 201.

301. INTRODUCTION TO INTERPRETING
A survey of the major area of the interpreting profession, the code of ethics, and interpreting techniques. Introduction to the interpretive process from spoken English to American Sign Language and sign to voice (interpreting from American Sign Language to English). 2 credit hours
Prerequisite: American Sign Language 202 or permission of the instructor.

302-303. APPLIED INTERPRETING I AND II
The first course emphasizes development of interpretive techniques and skills through the interpretation of passages from audio cassettes. The second course focuses on transliteration skills and speed of delivery. Audio and video tapes are used, along with other equipment, for the development of both expressive and receptive skills.
Prerequisite: Interpreting 301. Each course 2 credit hours

306. INTRODUCTION TO AUDIOLOGY
Attention to the anatomical features of the ear and the physiology of hearing. Special attention is given to various types of auditory pathology, etiologies, and habilitation. Audiometric testing procedures are reviewed, with students obtaining a practical experience in auditory evaluation. 3 credit hours
Offered 1987-88 and alternate years

321. COMPARATIVE INTERPRETING
Specialized areas of interpreting covered include: legal, medical/mental health, deaf-blind, oral and educational. Attention is given to the vocabulary peculiar to each area, through the use of guest lecturers, taped materials and visits to off-campus sites.
Prerequisite: Interpreting 303. 3 credit hours
Offered 1087-88 and alternate years

337-338-339. INTERNSHIP
A practical experience in an approved facility under the supervision of an interpreter certified by the National Registry of Interpreters for the Deaf, or other appropriate professional. 9 credit hours
Prerequisite: Interpreting 321.

343. PRACTICUM
Practical experience in a professional environment with supervision by an agency staff person approved by department faculty. 3 credit hours
Available only to majors in Track II.

349. SEMINAR.
Selected topics in deafness/interpreting. 3 credit hours
Offered as demand warrrants

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Department of Biology and Chemistry

Associate Professors Bunde, Naylor (Chairman), Ramger, Riordan, and Sumner; Mr. Coker

The Department of Biology and Chemistry offers a variety of programs to meet the diverse interests of students planning graduate school, industrial and field employment, health careers, or government service. In both biology and chemistry, major and minor programs are available. For students preparing for careers in medicine, dentistry, optometry, or veterinary medicine, a cross-disciplinary major in health sciences is offered. The pre-professional major in physical therapy, described in the catalog section on health and physical education, draws heavily on courses in biology and chemistry.

Biology

The curriculum in biology provides the student a broad biological background while permitting concentration in specialized areas of particular interest. Field study in the nearby mountains and lakes of East Tennessee and short courses available at the Oak Ridge National Laboratory complement the curriculum.

The major in biology consists of 37 hours in biology and 19 hours in related disciplines. Required courses in biology are 115, 221, 251, 311 or 341, 351-352, 411, 431, and two courses chosen from 241, 321, 311 or 341, and 361. Related requirements are Chemistry 121, 122, 223, 224, and one course chosen from Chemistry 241, 361, Mathematics 221, and Computer Science 121. Physics 101-102 and Mathematics 125 and 225 are strongly recommended. Suggested languages are German or French, with German preferred.

The minor in biology consists of Biology 115, 221, and three other courses in biology which satisfy the major requirements, for 19 hours in biology.

115. PRINCIPLES OF BIOLOGY
A survey of the fundamental principles and concepts which govern and describe biological systems: cell ultrastructure and physiology; basic biochemistry of the cell and mechanisms of photosynthesis and cell respiration; nuclear and cell division; protein synthesis and the regulation of gene expression. Topics include evolutionary biology; basic Mendelian, molecular, and population genetics; plant anatomy and physiology; and environmental studies. Laboratory work emphasizes cellular organization and function, biochemical processes and the diversity of living organisms.
4 credit hours

116. INTRODUCTION TO ENVIRONMENTAL ISSUES
Current topics of environmental concern, including consideration of conservation of natural resources and the environmental impact of human societies. Designed primarily for students majoring in elementary education, but open to others by permission of the instructor. Usually taken in conjunction with Biology 115. Cannot be counted toward a major in biology. 1 credit hour
Prerequisite or corequisite: Biology 115. Offered 1987-88 and alternate years

215. HUMAN ANATOMY AND PHYSIOLOGY
An introduction to the relationships between structure and function in the major organ systems of the human body. The muscular, circulatory, respiratory, digestive, endocrine, and nervous systems are emphasized. Laboratory work involves complete dissection of the cat and comparison of parallel structures in the human. Cannot be counted toward a major in biology. 4 credit hours
Prerequisite: Chemistry 117 or 121.

217. ANATOMY AND PHYSIOLOGY I
A general survey of the structural and functional aspects of human anatomy and physiology required for the nursing curriculum. Normal as well as abnormal function is discussed, with emphasis on the homeostatic role of the interdependence of systems. Laboratory work involves examination of models, anatomical dissections, study of human bones, and experimentation in the areas of muscle physiology and cardiovascular/blood studies. Cannot be counted toward a major in biology. 3 credit hours
Pre- or corequisite: Chemistry 117.

218. ANATOMY AND PHYSIOLOGY II
Continuation of Biology 217 in which the respiratory, digestive, nervous, endocrine, excretory, and reproductive systems are examined. Laboratory work involves examination of models, anatomical dissections, and experimentation that includes respiratory measurements, nerve conduction, reflex action, sense organs, and urinalysis. Cannot be counted toward a major in biology. 4 credit hours
Prerequisite: Biology 217.

219. MEDICAL MICROBIOLOGY
A study of medically important microorganisms and immunological methods required for the nursing curriculum. The course stresses the clinical approach to the study of microbes, and emphasizes the host's response to infection, classical and emerging pathogens, as well as unusual pathogens such as viruses, fungi, and rickettsiae. Laboratory work centers on isolation and identification of microbes, environmental factors that affect microbes, and public health considerations. Cannot be counted toward a major in biology. 4 credit hours
Prerequisite: Biology 217.

221. GENETICS
A study of the mechanisms of inheritance in both animals and plants with emphasis on the action of genes in protein synthesis and enzyme function. Topics include human genetics, chromosomal aberration, human karyotyping, and application of probabilistic and statistical analysis. Laboratory work centers around raising, crossbreeding, and examining statistically several generations of fruit flies. Other topics include chromosome slide preparation, dihybrid crosses in corn, human inheritance studies, and karyotyping of human chromosomes. 4 credit hours with laboratory
Prerequisite: Biology 115. 3 credit hours without laboratory
Pre-or corequisite: Mathematics 120 or the equivalent.

241. INVERTEBRATE ZOOLOGY
An introduction to the morphology and ecology of the major invertebrate phyla, protozoa through echinodermata. The protozoans and freshwater planktons are emphasized, as are insect ecology and taxonomy. Laboratory exercises involve collecting, culturing, and characterizing live freshwater and terrestrial invertebrates. An insect collection containing 50 families and 10 phyla is required. 4 credit hours
Prerequisite: Biology 115. Offered 1986-87 and alternate years

251. MICROBIOLOGY
The basic principles and methodologies of the study of microbial organisms with emphasis on cellular ultrastructure and physiology, microbial metabolism and growth, and bacterial genetics. Other topics include properties and reproduction of viruses, the biology of fungi, microbial ecology, pathogenicity, and industrial applications of microbiology. Laboratory work stresses basic research techniques: microscopy, culture growth, isolation and identification of microbes, and numbers and growth rate determination. 4 credit hours
Prerequisite: Biology 221 or
permission of instructor.

311. THE BIOLOGY OF CRYPTOGAMS
A study of the major groups of non-seed plants with emphasis on morphology, ecology, and reproduction strategies. The course traces the evolution of the major groups of algae, bryophytes, psilophytes, lycopsids, sphenopsids, and pteridopsids, concluding with the evolution of the seed. Particular attention is given to fossil groups and the evolutionary connections between extant and extinct taxa. The laboratory, which includes field work and taxonomic identification, centers on the morphological examination of living, preserved, and fossil specimens. 4 credit hours
Prerequisite: Biology 221 and junior or senior standing. Offered 1987-88 and alternate years

321. COMPARATIVE VERTEBRATE ANATOMY
A study of the structure, function, and evolutionary adaptation of the major organ systems of the vertebrates. The muscular, circulatory, respiratory, digestive, endocrine, sensory, skeletal, and nervous systems are examined in the agnathian, placodermian, choncrichythian, osteichythian, amphibian, reptilian, avian, and mammalian classes. Laboratory work involves the complete dissection and identification of the major organ systems of the dogfish shark and the cat. Special dissections of amphioxi, lampreys, fish, turtles, and birds are included. 4 credit hours
Prerequisite: Biology 115. Offered 1986-87 and alternate years

341. THE BIOLOGY OF SPERMATOPHYTES
The systematics, morphology, anatomy, and reproduction strategies of the major classes and subclasses of seed plants. The course begins with the evolution of the seed and traces the phylogeny of gymnosperms and angiosperms, with emphasis on the fossil record and the principle of homology. Topics include: nomenclature, pollen morphology, pollination ecology, floral anatomy, and dispersal mechanisms. Laboratory work stresses the morphology and anatomy of living and preserved specimens, and includes histological technique and taxonomic identification. 4 credit hours
Prerequisite: Biology 221 and junior or senior standing. Offered 1986-87 and alternate years

349. SPECIAL TOPICS IN BIOLOGY
Seminars involving the detailed study of advanced topics in biology not encountered in other coursework. Selected subjects may include cytology, ornithology, and plant physiology. 2 or 3 credit hours
Prerequisite: At least 15 credit hours in biology, junior or senior standing, and permission of the instructor. Offered as demand warrants

351-352. INDEPENDENT STUDY
Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser, and culminates in a formal paper as if for publication in a scientific journal. 6 credit hours
Prerequisite: At least 19 credit hours in biology and 12 credit hours in chemistry.

361. DEVELOPMENTAL BIOLOGY
An examination of the developmental patterns in animals and plants, with emphasis on animal embryology. Discussions center on starfish, amphioxus, frog, chick, pig, and human development. Selected topics include tissue and cell differentiation as they relate to gene action, and the medical and ethical implications of human embryo experimentation. Laboratory work includes fertilizing and examining the eggs and embryos of live sea urchins and frogs. The developmental stages of live chick embryos are studied in detail. 4 credit hours
Prerequisite: Biology 221 and junior or senior standing. Offered 1987-88 and alternate years

411 GENERAL PHYSIOLOGY
A detailed study of the major physiological processes in animals. A systems approach is used to analyze the excretory, respiratory, circulatory, endocrine, neuro-endocrine, and neuro-muscular systems in each of the major animal phyla. Special topics include membrane transport, enzyme kinetics, temperature regulation, and behavioral adaptation to light. The laboratory involves acquisition and analysis of physiological data obtained through a variety of techniques such as Warburg respirometry, and physiographic, oscilloscopic, and electrocardiographic recording. 4 credit hours
Prerequisite: Biology 251 or permission of the instructor.

431. ECOLOGY
Seminar which explores the unifying principles and concepts of ecology: ecosystems, trophic relationships, and energy flow; population structure and genetics; niche structure and natural selection; succession and forest ecology; and ecological modeling. Field work in the Great Smoky Mountains National Park and surrounding area provides practical research experience through guided independent study projects.
Prerequisite: At least 16 credit hours in biology and junior or senior standing. 4 credit hours
Offered 1987-88 and alternate years

Chemistry

The curriculum in chemistry affords the student sound training in the principles and techniques of modern chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing chemist, and yet permits concentration in the organic/biochemical or analytical/physical subdisciplines. Opportunity for study at National Laboratories such as Argonne, Oak Ridge, and the Savannah River Ecological Station complement the curriculum.

The major in chemistry consists of 36 hours in chemistry and 20 hours in related disciplines. Required courses in chemistry are 121, 122, 223, 224, 241, 351-352, 361, 381, 391, and 425. Related courses are Mathematics 125 and 225, Physics 201-202, and Computer Science 121. Additional coursework in mathematics and physics is recommended for students who expect to enter graduate school and/or pursue research-oriented careers in physical or analytical chemistry. Selected coursework in biology is recommended for students anticipating biochemical applications.

The minor in chemistry requires 19 hours, including Chemistry 121, 122, 223, 224, and three additional hours in chemistry courses that satisfy the major requirements.

117. FUNDAMENTALS OF CHEMISTRY
Introduction to the fundamentals of chemistry with emphasis on the inorganic, organic, and biochemical concepts needed for the study of kinesiology and physiology. Topics include physical properties of matter, the periodic table, chemical bonding, basic inorganic and organic nomenclature, and solution chemistry. Physiological chemistry and intermediary metabolism are discussed. Laboratory work emphasizes physical measurement, chemical stoichiometry, organic reactions, and the chemistry of biological molecules. Cannot be counted toward a major in chemistry. 4 credit hours
Prerequisite: Qualification to enter Mathematics 115 or 120.

119. NUTRITIONAL BIOCHEMISTRY
A continuation and expansion of the fundamental concepts of biochemistry presented in Chemistry 117, with emphasis on the basic metabolic pathways in humans. The course centers on clinical nutrition concepts and theories of diet and disease, and on how they are related to patient care and recovery. Cannot be counted toward a major in chemistry. 3 credit hours
Prerequisite: Chemistry 117.

121. PRINCIPLES OF CHEMISTRY I
An introduction to concepts and principles which govern macroscopic chemical behavior. Among topics discussed are: elements, compounds, and the periodic table; chemical equations and stoichiometry; the gas laws and kinetic molecular theory; thermochemistry; chemical equilibrium; and reaction kinetics and mechanism. Laboratory exercises stress development of proper experimental technique and the ability to interpret empirical data, and reinforce principles introduced in the classroom. Chemistry 117 is recommended for students having no previous chemistry and marginal mathematics skills. 4 credit hours
Prerequisite: Qualification to enter Mathematics 115 or 120,
and high school chemistry or sophomore standing.

122. PRINCIPLES OF CHEMISTRY II
Consideration of concepts and principles of chemical behavior at the microscopic level: physical and colligative properties of liquids and solutions; acid-base equilibria, pH, and buffers; ionic solid solubility; oxidation-reduction processes and electrochemical phenomena; atomic theory; quantum chemistry of atoms and molecules; chemical periodicity; intermolecular interactions and theories of bonding. The laboratory continues development of manipulative skills, with emphasis on quantative as well as qualitative procedures. Skills in scientific writing are developed though formal laboratory reports. 4 credit hours
Prerequisite: Chemistry 121.

223. ORGANIC CHEMISTRY I
An introduction to the extensive chemistry of carbon-containing compounds. The nomenclature and functional group chemistry of aliphatic organic molecules are emphasized, as are the mechanisms by which they react. The molecular orbital interpretation of chemical bonding, spectroscopic analysis, and chemical kinetics are employed to elucidate reaction mechanisms. Use of the chemical literature is introduced through *Chemical Abstracts, Science Citation Index*, and other reference materials. Laboratory experiments concentrate on separation methods, functional group analysis, and simple organic synthesis. 4 credit hours
Prerequisite: Chemistry 122.

224. ORGANIC CHEMISTRY II
An examination of the fundamental organic functional groups and their characteristic reactions, with special emphasis on biological, medicinal, pharmacological, and industrial examples. A general introduction to the identification of each compound class by infrared, nuclear magnetic resonance, and mass spectrometric analysis is included. Laboratory work stresses multi-step syntheses and characterization of reaction products using physical and spectroscopic methods. 4 credit hours
Prerequisite: Chemistry 223.

231. PHARMACOLOGY
An introductory course in pharmacology, with emphasis on the principles of drug action and the pharmacological classification and therapeutic application of drugs. Drugs and drug action as they relate to the nursing profession are of principal concern. Cannot be counted toward a major in chemistry. 3 credit hours
Prerequisite: Chemistry 119.

241. QUANTITATIVE ANALYSIS
The principles and techniques of volumetric, gravimetric, and potentiometric methods of analysis. Lectures and laboratory work examine the theoretical and empirical aspects of analytical chemistry through topics such as: treatment of analytical data; theories of solution equilibria; titrimetry; complexation and precipitation reactions; and electroanalytical methods. Ultraviolet-visible and atomic absorption spectrophotometry are introduced for use in quantitative instrumental analysis. 3 credit hours
Prerequisite: Chemistry 122. Offered 19817-88 and alternate years

311. BIOCHEMISTRY
A detailed treatment of the major classes of biochemical molecules and their structure-function relationships. The physical and chemical properties of proteins, lipids, polysaccharides, and nucleic acids are emphasized through the study of the catabolic and anabolic reaction pathways by which they are metabolized. Special topics include genetic manipulation techniques, immunology, metabolic and degenerative diseases, and enzymology. The laboratory work involves separation, purification, and characterization of biochemically important molecules.
Prerequisite: Chemistry 224. 4 credit hours

349. SPECIAL TOPICS IN CHEMISTRY
Seminars involving the detailed study of advanced topics in chemistry not encountered in other coursework. Selected subjects are: electrochemistry; radiochemistry; organometallics; polymer chemistry; and photographic chemistry. 2 or 3 credit hours
Prerequisite: At least 16 credit hours in chemistry, junior or senior standing and permission of the instructor. Offered as demand warrants

351-352. INDEPENDENT STUDY
Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser, and culminates in a formal paper as if for publication in a scientific journal. 6 credit hours
Prerequisite: At Least 25 credit hours in chemistry.

361. QUALITATIVE ORGANIC
Methods of organic chemical analysis using classical wet-chemical tests, modern separation techniques, and a broad range of spectroscopic instrumentation. Among the methods discussed are: separation by high-pressure liquid chromatography and gas-liquid chromatography; infrared, visible, and ultraviolet spectrophotometry; mass spectometry; and proton magnetic resonance spectroscopy. The theory of each method, the practical aspects of sample preparation, and instrument maintenance are stressed. The laboratory centers on unknown sample identification using wet-chemical and spectroscopic techniques. 3 credit hours
Prereqisite: Chemistry 224.

381. PHYSICAL CHEMISTRY I
An advanced study of the physical and chemical properties of systems at equilibrium. Chemical thermodynamics is the principal theme: fundamental laws of thermodynamics; Gibbsian and Maxwellian relationships; detailed characterization of gases; calorimetry and other thermochemical consideration. Other topics include: colligative properties; vapor-liquid equilibria; phase rule and composition diagrams; and transport properties. 3 credit hours
Prerequisite: Chemistry 122, Mathematics 225. Offered 1986-87 and alternate years

391. PHYSICAL CHEMISTRY II
An advanced study of the dynamics of chemical systems at the molecular level. Chemical kinetics and an introduction to statistical mechanics are the central themes: measurement of reaction rates and data reduction; transition-state theory; and reaction mechanisms, with emphasis on the steady-state approximation. Additional topics include: the kinetic-molecular theory; the distribution laws of Maxwell and Bolzmann; partition functions of ideal gases; photochemistry; and surface phenomena. 3 credit hours
Prerequisite: Chemistry 381, Mathematics 225. Offered 1986-87 and alternate years

425. PHYSICAL CHEMISTRY LABORATORY
Physico-chemical measurement using modern analytical methods and instrumentation. The physical properties, thermodynamics, and kinetics of chemical systems may be investigated using methods such as calorimetry, polarimetry, refractometry, densitometry, potentiometry, and dilatometry. Experiments involving measurements of viscosity, surface tension, electrical conductivity, vapor pressure, and colligative properties may also be performed. The fundamentals of vacuum techniques are introduced, and use of the computer in problem-solving and reaction simulation is encouraged. Development of scientific writing and oral communication skills are stressed through formal laboratory reports and seminar presentations.
Prerequisite: Chemistry 381 — 2 credit hours
Corequisite: Chemistry 391 — Offered 1986-87 and alternate years

451. QUANTUM CHEMISTRY
Fundamentals of quantum mechanics and symmetry arguments as they apply to spectroscopic analysis and elucidation of atomic/molecular structure. The experimental basis of quantum theory is examined along with a detailed description of wave mechanics and its methods. The natures of wave functions and quantum mechanical operators are introduced, and approximate solutions to the Schrodinger wave equation are obtained for simple systems. Other topics include: spectroscopic term designation; calculation of physical constants; and characterization of intermolecular forces and chemical bonding. Symmetry and group theoretical operations are discussed and applied. — 3 credit hours
Prerequisite: Chemistry 122 and Mathematics 225. — Offered 1987-88 and alternate years

Health Sciences: Pre-Professional Program

The major in the health sciences is a pre-professional program, designed specifically for the student planning a career in medicine, dentistry, optometry, or veterinary medicine. Students interested in such careers may wish to pursue a conventional major in biology or chemistry, rather than this cross-disciplinary concentration, in preparation for application to a professional school.

The pre-professional program is more compact than the disciplinary majors and provides greater opportunity for electives outside the natural sciences; such electives often are beneficial both personally and professionally.

The program does include the courses necessary to prepare for the standardized examinations for admission to these professional schools. It should be noted, however, that some professional schools specify certain courses for admission beyond those required for this major. Specific entry requirements for a particular institution should be determined before beginning the program. The Adviser on Health-Related Professions in the Department of Biology and Chemistry is available to assist in these matters.

The major consists of 56 hours of course work including Biology 115, 221, 251, 321, and 411; Chemistry 121, 122, 223, 224, 241, and 311; Physics 101-102, and six hours of independent study in either biology or chemistry.

Division of Fine Arts

Professor Bloy (Chairman); Associate Professors Bonham, S. Schoen, V. Schoen; Assistant Professors Bianco, Ergenbright, Hoffecker; Ms. Fennell, Mr. Long, Ms. Wheeler

The Division of Fine Arts offers a variety of programs leading to either the Bachelor of Arts or the Bachelor of Music degree. In art a major and a minor are available. In music the Bachelor of Arts degree may be earned with a general major in music or a combined major in music and theatre. A minor in music is also offered.

For the Bachelor of Music degree more specialized majors are offered in performance, music education, and church music. These programs are described in the catalog section devoted to that degree. The division also coordinates instruction in dance, available through the Van Metre School of Dance.

Art

The major in art consists of 42 credit hours in studio art and art history. Required courses are 101, 102, 103, 105; two courses chosen from 201, 202, 203, and 204; 222, 232, 303 (two terms), 312, 314, 316, and 351-352. Each art major is required to prepare a portfolio of art works which are presented in a senior exhibit.

Students planning to meet certification requirements for the teaching of art in elementary and secondary schools take Art 282 and 284, in addition to the other courses required for the major and for certification.

The minor in art consists of 15 credit hours, including one course from 101, 102 and 103; one course from 201-204, or 222 or 232; one from 312-316; and six additional hours in either art history or advanced studio work. Concentration in a single medium or in art history is advised.

101. DRAWING
An introduction to the fundamental aspects of drawing, including line, tone, form, space, and composition. Emphasis on increasing visual awareness, the use of various drawing materials, and developing drawing skills. 3 credit hours

102. TWO-DIMENSIONAL DESIGN
An introduction to the principles of art structure in two dimensions, taught through experimental exercises and applied problems in the visual organization of line, volume, mass, texture, movement, and color. Workshops, lectures, demonstrations, and individual and group critiques are used. 3 credit hours

103. INTRODUCTION TO SCULPTURE AND THREE-DIMENSIONAL DESIGN
An examination of basic problems involving form, light, color, and volume. Materials considered include clay, metal, wire, wood, paper, plaster, and various new media. The possibilities and limitations of tools, equipment, techniques, and materials are explored. Acquisition and development of skills are stressed through workshop, demonstrations, lectures, and critiques. 3 credit hours

105. VISUAL ARTS IN CONTEMPORARY SOCIETY
A course designed to give the student a basic background in the chief movements and developments within the visual arts during the past century. Modern techniques, new materials, and the impact of technology on the visual arts will be covered as well as the many movements and schools in which these have been incorporated. This course serves as a background for creative work in art studio courses as well as a short survey course for the general college student. 2 credit hours

201. POTTERY
An introductory course in the basic techniques for clay preparation and handbuilding. Wheel throwing, glaze and slip application, decorating and firing techniques are included. The applications of clay and other media in relief and three-dimensional works are considered; traditional and contemporary uses are encouraged.
3 credit hours
Offered 1987-88 and alternate years

202. PHOTOGRAPHY
Photography considered as an art form, with attention to basic concepts, techniques, and processes. The adjustable camera, lighting, exposure, film and darkroom procedures are studied. 35 mm camera required. 3 credit hours

203. WEAVING
The study of traditional and contemporary techniques of fabric structure and embellishment. Interlacing, interlooping and knotting techniques are considered, along with the study of different loom and non-loom methods. Experimentation with fiber, color, and texture, resulting in unique creative designs for a specific use, is encouraged.
3 credit hours
Offered 1986-87 and alternate years

204. JEWELRY
An introductory course in the use of tools, materials, and processes for forming, joining, casting, finishing, and enameling metals. Work is done in sterling silver, brass, copper, and alloys. Design and execution of distinctive metal objects is emphasized.
3 credit hours
Offered as demand warrants

222. PAINTING
An introduction to painting materials and techniques with emphasis on composition and the expressive use of color. 3 credit hours
Prerequisite: Art 101, 102, 105 or permission of the instructor.

232. PRINTMAKING
An introduction to basic printmaking processes, including intaglio, relief, silk-screen, and some photographic methods. Each student develops a portfolio of prints, concentrating on one process. Special attention is given to the imaginative and creative use of line, tone, texture, and color. 3 credit hours
Prerequisite: Art 101 and 102 or permission of the instructor. Offered 1987-88 and alternate years

282. ELEMENTARY ART EDUCATION
The course provides a background in art and art teaching methods for those preparing to teach at the elementary level or to serve in recreational activities. Does not count toward a major in art. 2 credit hours
Offered 1986-87 and alternate years

284. SECONDARY ART EDUCATION
A course designed for those planning to teach at the secondary level. The emphasis is on the activities and experiences suitable for the adolescent student. Does not count toward a major in art. 2 credit hours
Offered as demand warrants.

303. ADVANCED STUDIO
Intensive work in one medium: drawing, design, painting, ceramics, printmaking, photography, sculpture, weaving, or jewelry. Advanced study in each medium is available during the term the introductory course is offered. Advanced students work in the same studio with beginning students, but have additional weekly sessions for discussion and critique. The course may be repeated in the same area. 2 credit hours
Prerequisite: An introductory course in the medium or permission of the instructor.

312. ANCIENT AND MEDIEVAL ART
An examination of painting, sculpture, and architecture in the western world during the ancient and medieval periods. The primary mode of instruction is lecture/discussion with slides. The course seeks to enhance the student's capacity for careful observation of different types of artistic expression. 3 credit hours
Prerequisite: Humanities 160 or 180. Offered 1986-87 and alternate years

314. RENAISSANCE AND BAROQUE ART
Architecture, sculpture, and painting in Italy and Northern Europe from the 14th through the 18th century. Attention is given to various methods of the art historian, including the study of iconography, analysis of styles, and comparative approaches.
Prerequisite: Humanities 260, 270, or 280. 3 credit hours
Offered 1986-87 and alternate years

316. ART OF THE 19TH AND 20TH CENTURIES
An exploration of changing patterns of artistic expression in the modern world from Neo-Classic and Romantic to contemporary movements. The course emphasizes developments in the West, with some consideration of African and Asian influences.
Prerequisite: Humanities 260, 270, or 280. 3 credit hours
Offered 1987-88 and alternate years

343. PRACTICUM
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists, and therapeutic centers. A practicum in art therapy with an agency offering psychological services requires completion of Psychology 101, 211, 301 and 331. 1, 2, 3 credit hours; not to exceed 6
Prerequisite: One term of Art 303.

351-352. INDEPENDENT STUDY
Individual study in either studio art with an exhibit and a formal paper or in art history involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Dance

241-246.
Instruction in dance is available through the Van Metre School of Dance, which has its studios on the Maryville campus. Students enroll for one credit hour per term. A maximum of six hours may be counted toward graduation requirements.

Music

The major in music for those pursuing the Bachelor of Arts degree requires a minimum of 50 hours. Required courses are 101, 102, 201, 202, 211, 212, 301, 302, 303, 304, 351-352. Twelve hours must also be earned in applied music, and four hours in ensemble participation. Description of those courses, and information about applied

music and ensembles, can be found in the catalog section on the Bachelor of Music degree.

The minor in music consists of 18 credit hours in courses and/or lessons, including 101, 102, and at least six hours at the 300 or 400 level.

Before acceptance into any of the programs in music, students must demonstrate basic proficiency in keyboard and theoretical skills. Those who lack this preparation must complete whatever non-credit courses are needed to provide this essential background.

Music and Theatre

The combined major requires 55 hours. Required courses are Music 101, 102, 121, 122, 211, 212, 303, 401, and 402; Speech-Theatre 212, 203 or 311, 312, and 321; Music and Theatre 351-352. Also required are four hours in dance or physical education activities courses chosen from 106, 107, 117, 121, 139, 149, 154, 163, 166, and 168. Twelve hours must be earned in the study of applied voice and four hours in choral music.

Descriptions of music courses, and information about applied music and ensembles, can be found in the catalog section on the Bachelor of Music degree. Descriptions of courses in Speech-Theatre can be found in the listings of the Department of Languages and Literature.

Music

101. BASIC STRUCTURES OF MUSIC AND ELEMENTARY COUNTERPOINT

102. INTERMEDIATE PART WRITING

121-122. EURHYTHMICS I AND II

201. ADVANCED COUNTERPOINT

202. ADVANCED HARMONY

211-212. SOLFEGE AND DICTATION I AND II

301. MUSIC HISTORY AND STYLES: Antiquity through the 16th Century

302. MUSIC HISTORY AND STYLES: 17th and 18th Centuries

303. MUSIC HISTORY AND STYLES: 19th Century

304. MUSIC HISTORY AND STYLES: 20th Century

351-352. INDEPENDENT STUDY

401-402. LITERATURE IN MAJOR APPLIED FIELD I AND II

Speech-Theatre

203. ORAL INTERPRETATION AND LITERATURE

212. ACTING

311. DIRECTING

312. HISTORY OF THE THEATRE

349. SELECTED TOPICS IN THEATRE

Department of Health, Physical Education, and Recreation

Associate Professor Perry (Chairman); Ms. Geithner, Mr. Dial

The Department of Health, Physical Education and Recreation offers a major and a minor in physical education. Within the major the student may choose one of three tracks for emphasis — general physical education, exercise science, and recreation. Also offered as a major field is a pre-professional program in physical therapy. In addition, the department makes available a variety of activity courses that enable the general student to enhance physical skills, learn productive uses of leisure time, and develop holistic health.

The minor in physical education consists of HPER 102 and 221, and nine hours above the 100-level.

General Track

The general physical education track consists of 48 hours in required and related courses. Required courses are HPER 102, 218, 221, 231, 237, 331, 332, 334, 341, 345, and 351-352; and eight additional hours in activities courses. The activity courses must include at least one hour from each of six categories: aquatics, fitness, lifetime sports, gymnastics and tumbling, rhythmic activities, and educational games and traditional sports. The related courses are Chemistry 117 and Biology 215.

The general track accommodates students planning careers as teachers of physical education. Those seeking professional certification must complete, in addition to major requirements, a minimum of 24 hours in education and related courses. The required courses are Education 208, 211, 327-328, 332, 334; and Psychology 101. For certification in Tennessee, Education 329 is also required. These courses are described in the education section of this catalog.

The Exercise Science Track

For the exercise science track 55 hours are required. Courses necessary for the major are HPER 101, 102, 211, 237, 332, 334, 341, 343, 345, 351-352, and two activity courses; Biology 217-218, Chemistry 117 and 119, Physics 101, and Mathematics 221.

The Recreation Track

The recreation track is broad-based, but it gives special attention to outdoor recreation. A minimum of 45 hours is required. HPER courses to be completed are 102, 205, 221, 237, 331, 334, 335, 351-352, and eight activity courses. The activity courses must include lifesaving, canoeing, camping, dance, and four others chosen from lifetime sports and educational games. Also required are Psychology 101 and 221, Management 302, and one course chosen from Art 103, 201, 202, 203, Speech-Theatre 211, 212, and Music 306.

The minor in physical education consists of HPER 102 and 221, and nine hours above the 100-level.

101. HUMAN HEALTH AND DEVELOPMENT
A course designed to deepen understanding of holistic health, including the physical, mental, and emotional. Fundamentals of physical fitness are introduced, along with issues of human development from late adolescence through old age. Practical sessions in laboratory and gymnasium.
3 credit hours
Offered 1987-88

102. HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF PHYSICAL EDUCATION AND RECREATION
A study of the meaning of play, sport, fitness and leisure in the life and culture of man with emphasis on historical and philosophical foundations. Aims and objectives of various agencies and an overview of their programs are presented. 3 credit hours

103. INTRODUCTION TO HEALTH CARE AND PROMOTION
A survey of the principles of health promotion and the health care system in the United States. The course also introduces the philosopohy and objectives of the College's nursing program, with particular attention to the self-care deficit theory of Dorothea Orem. 1 credit hour

205. TEAM SPORTS, INTRAMURAL ADMINISTRATION, OFFICIATING TECHNIQUES
Rules, skill techniques, teaching progressions of selected team sports. Practical experience in programming and leadership of intramural activities. Study of officiating techniques, followed by field practice. 3 credit hours

211. ATHLETIC TRAINING
An introduction to the care, prevention, treatment and rehabilitation of athletic injuries. Laboratory experience includes first aid, taping, bandaging and injury evaluation. Clinical work with both men's and women's intercollegiate teams is included. 3 credit hours
Prerequisite: Sophomore standing or above. Offered 1987-88 and alternate years

218. PROGRAM DESIGN AND METHODS OF TEACHING
Principles of curriculum development in physical education are studied with attention to more recent and innovative practices. Field experience included. 2 credit hours
Offered 1987-88 and alternate years

221. PHYSICAL EDUCATION AND RECREATION FOR SPECIAL POPULATIONS
Designed to provide basic understanding of various handicapping conditions. The course centers on characteristics of these handicaps, possible psychological ramifications, and appropriate physical education or recreation for each condition. Field experience included. 3 credit hours

231. MOTOR DEVELOPMENT AND MOTOR LEARNING
The study of locomotor and non-locomotor developmental sequences and learning theories that may enhance or limit physical performance. 2 credit hours

233. ATHLETIC COACHING
Examination and analysis of the coaching profession. Philosophical, psychological, social and financial aspects are considered, along with establishment of policies and programs. Field experience included. 3 credit hours
Offered 1986-87 and alternate years

236. SCHOOL AND COMMUNITY HEALTH
Study of the factors affecting community health. Consideration is given to the school health program, the healthful school environment, home and school safety, personal health, nutrition, drugs. Usually offered during Interim. 2 credit hours

237. FIRST AID, CARDIOPULMONARY RESUSCITATION, SAFETY EDUCATION
American Red Cross certification program in first aid and cardiopulmonary resuscitation. Safety education procedures are considered in relation to public schools and recreation settings.
2 credit hours
Offered 1987-88 and alternate years

331. ELEMENTARY AGE ACTIVITIES
Study of characteristics and needs of the elementary age child and the programs/activities suitable for them. Attention to developing leadership in appropriate play activities. Teaching opportunities with children of this age. 3 credit hours
Prerequisite: Junior or senior standing.

332. KINESIOLOGY
The study of human movement from anatomical and mechanical perspectives. Knowledge and methods of mechanics are applied to the structure and function of the living human system with special emphasis on joint and muscle function. Major topics include: mechanics of muscloskeletal structure, biomechanical aspects of exercise, forces and human movement, and balance, equilibrium, and stability. 3 credit hours
Prerequisite: Biology 215. Offered 1986-87 and alternate years

334. ADMINISTRATION AND SUPERVISION OF PHYSICAL EDUCATION PROGRAMS
Study will focus on the role of management in physical education programs from kindergarten through the 12th grade. 2 credit hours
Prerequisite: Junior or senior standing. Offered 1987-88 and alternate years

335. OUTDOOR RECREATION LEADERSHIP
The study of recreation leadership skills, activity, and safety specific to the out-of-doors. The historical background, legal issues, and environmental impact of outdoor recreational activities are considered; field experience is included. 3 credit hours

341. MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION
Study directed toward the use of basic statistical procedures and their application to the evaluation of programs in physical education, test construction, and professional research. 3 credit hours
Prerequisite: Math 120. Offered 1986-87 and alternate years

342. PROGRAM PLANNING IN RECREATION
A study of the process of recreation programming in relation to the characteristics and needs of participants, available facilities, values of activities offered, evaluation techniques used. 3 credit hours
Prerequisite: Junior or senior standing. Offered 1987-88 and alternate years

343a,b,c. PRACTICUM IN RECREATION
A field experience, with agencies involved in recreation and leisure programs, such as municipal recreation departments, YWCA-YMCA, summer camps, health spas, theme parks. If taken during the academic year, work may be spread over more than one term.
1, 2, 3 credit hours; not to exceed 6
Prerequisite: senior standing.

345. PHYSIOLOGY OF EXERCISE
A study of the functions of the major body systems during muscular work. Major topics covered include: bioenergetics, structure and function of skeletal muscle, physiological aspects of fatigue, gaseous exchange and transport, hemodynamics, acid-base balance, and physical training. Laboratory investigations using various electrocardiographic and physiographic equipment. 3 credit hours
Prerequisite: Biololgy 215. Offered 1987-88 and alternate years

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Activity Courses

The following courses are open as electives to all students, without regard to major field. Each course carries a value of one credit hour, and may be taken on an "S/U" basis.

Aquatics

106 Elementary Swimming
107 Intermediate Swimming
113 Advanced Life Saving/ Water Safety Instructor
114 Canoeing

Dance

117 Folk, Square & Social Dance
121 Social Dance

Lifetime and Individual Sports

139 Aerobics
141 Archery
147 Bowling
149 Fencing
153 Golf
154 Gymnastics and Tumbling
163 Racquetball
166 Tennis
168 Weight Training and Figure Control
172 Camping and Outdoor Education

Physical Therapy

The major in physical therapy is a pre-professional program, designed for students interested in pursuing a career in that field. Completion of the program does not qualify the student to practice as a physical therapist. While the program does provide instruction in essential areas and a thorough introduction to the field, additional coursework and clinical experience not available at Maryville are necessary to qualify for certification.

The program is cross-disciplinary, with a minimum of 55 hours required. Required courses are Biology 115, 215, 221, and 361, Chemistry 121 and 122, Physics 101 and 102, Mathematics 221, HPER 211, 221, 332, and 345, Physical Therapy 343 and 351-352. Not required but strongly recommended are at least nine hours in psychology; especially useful are 101, 211, 221, 301, 331.

343. PRACTICUM IN PHYSICAL THERAPY
Practical experience in a physical therapy facility of a nearby hospital, designed to familiarize the student with procedures and application of principles in a clinical setting. A minimum of 40 hours of clinical work (three to four hours per week) and a weekly conference are required during the term. 2 credit hours
Prerequisites: Biology 215 and 221, HPER 211, 221, 332.

351-352. INDEPENDENT STUDY IN PHYSICAL THERAPY
Individual sltudy, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Department of History

Professors Parker (Chairman) and Lewis; Associate Professor Kratz

History is a discipline concerned with humankind in all its variety, and with social and cultural change over time. The study of the past offers liberation from the confined thinking that cannot see beyond the present, and it helps the student achieve the deeper perspective essential to personal and intellectual growth.

The department offers a major that serves as preparation for those considering careers in law, journalism, the ministry, teaching, and library or public service. In addition, the department provides instruction for several courses in the general education program, notably in the humanities sequence and in African and Asian studies.

The major in history consists of 42 hours in history and related fields. Courses required in history are: 111, 112, 209, 211, 212, 313, 314 or 315, 321, 342 or 344, 351-352. Related courses are English 221 or 222; Art 312, 314, or 316; and one course chosen from Social Science 303, Political Science 211, Sociology 211, Philosopohy 301 or 303. Any student who expects to do graduate work in history is strongly advised to acquire intermediate-level proficiency in either French or German.

The minor in history consists of 18 hours, including 111, 112, 211, and three other courses above the 100-level.

111. HISTORY OF THE UNITED STATES TO 1865
Consideration of the colonial experience, struggle for independence, federal period, trans-continental experience, and the North-South struggle. 3 credit hours

112. HISTORY OF THE UNITED STATES SINCE 1865
Emphasis on industrialism and its consequences and the emergence of the United States as a world power. 3 credit hours

209. ANCIENT HISTORY
In alternative offerings the course considers Greece or Rome. When Greece is the subject, the focus is on the crisis of the fifth century B.C. and its consequences. When Roman history is being examined, both the Republic and the Empire are considered, with emphasis on political, legal and cultural aspects. Roman history is offered in 1986-87; Greek history in 1988-89. 3 credit hours
Prerequisite: Humanities 160 or 180.

211. HISTORY OF ENGLAND TO 1660
Development of the British Isles from prehistoric times through the Tudor period. Special emphasis upon emerging constitutional and cultural patterns and institutions. 3 credit hours

212. HISTORY OF ENGLAND FROM 1660-1945
Examines the religious and constitutional upheavals of the 17th and 18th centuries, the growth of empire, industrialism, and the socio-economic and cultural consequences of these upon modern Britain. 3 credit hours

231. HISTORY OF AMERICAN THOUGHT AND CULTURE
Puritanism; the Enlightenment; the Romantic impulse; the Americanization of Christianity; the Southern intellectual tradition; the impact of naturalism, science, and higher education; the counterculture; the New Right. 3 credit hours
Prerequisite: History 111 or 112, or Social Science 220, or English 221. Offered 1987-88 and alternate years

251. ECONOMIC HISTORY OF THE UNITED STATES
Development from colonial times to the present in agriculture, industry, communications, transportation, banking, and trade, with emphasis on the Industrial Revolution, the robber barons, populism, progressivism, the New Deal, and the current state of the U.S. Economy. Special attention is given to ALCOA, TVA, and the industrial and economic conditions in the region. 3 credit hours
Prerequisite: Sophomore standing or above.

313. EUROPE IN THE MIDDLE AGES
Search for Community; European genesis in the decaying Roman Empire; attempts at socio-economic synthesis under the auspices of the Church, Empire, feudal institutions and nation-states. 3 credit hours
Prerequisite: Junior standing or above. Offered 1987-88 and alternate years

314. RENAISSANCE AND REFORMATION
The breakdown of the medieval synthesis from the 14th to the 17th centuries. Religious schism and reformation; nation state-making and new political theory; humanism and its consequences in the arts, education and society; economic and political expansion of Europe. 3 credit hours
Prerequisite: Junior standing or above. Offered 1987-88 and alternate years

315. NINETEENTH CENTURY EUROPE: 1789-1900
The French Revolution and its heritage—nationalism, liberalism, democracy, socialism; industrialism and its consequences; religious, intellectual, and artistic foundations of the 20th century. 3 credit hours
Prerequisite: Junior standing or above. Offered 1986-87 and alternate years

321. THE EUROPEAN WORLD SINCE 1900
The culmination and decline of Europe's world preeminence. Traces the two world wars and the economic, ideological, social and cultural changes to the 1960s.
Prerequisite: Junior standing or above. 3 credit hours
Offered 1986-87 and alternate years

342. HISTORY OF AFRICA
The African peoples, their empires and kingdoms; their contacts with Greco-Roman, Persian, Arab, and European worlds. Emphasis on developments of the 19th and 20th centuries—slavery, the scramble for hegemony, colonial systems, independence movements, and the new states. 3 credit hours
Prerequisite: Humanities 310. Offered 1986-87 and alternate years

344. MODERN CHINA
An examination of developments in China in the century and a half after 1800. The transformation of traditional society, the impact of western influence, the development of nationalism from its inception to the establishment of the People's Republic in 1949.
Prerequisite: Humanities 320. 3 credit hours
Offered 1987-88 and alternate years

349. TOPICS IN AMERICAN AND EUROPEAN HISTORY
A course with subject matter that changes from year to year, depending on the particular interests of faculty and students. Topics considered in recent years include the American South and Russia. 3 credit hours
Offered as demand warrants

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

International Studies

Professors Kim, (Coordinator), Lewis, and Yu; Associate Professors Boldon and V. Schoen; Assistant Professor Brunger; Ms. Franklin.

The major in international studies combines work in several related disciplines with language study and a period of time overseas. The program focuses on East Asia, with emphasis on Japan, Korea, and China.

The major consists of at least 36 hours in course work, in addition to study needed to develop sufficient language proficiency. Required courses are Political Science 211 and 212, Sociology 211, Economics 221, Social Science 303, and International Studies 351-352. Fifteen additional hours of course work on the region must also be completed, with nine hours in the humanities or arts, and six hours in the social sciences.

The courses in humanities and arts may include History 344, Religion 348, suitable special topics or Interim courses, or appropriate courses offered at an approved institution. The courses in the social sciences may be chosen from Political Science 311 and 312, Economics 325, suitable special topics or Interim courses, or appropriate courses offered at an approved institution. Descriptions of courses regularly offered are given in other sections of this catalog.

The language requirement is proficiency in Japanese, Chinese or Korean beyond the intermediate level. Proficiency may be demonstrated, and the requirement satisfied, without enrollment in college courses. For those who elect formal course work, proficiency beyond the intermediate level is defined as completion of more than twelve semester hours with a grade of "C" or better.

An essential component of the major is a period of study in the region of at least six weeks duration. Such study may be done at Kansai University of Foreign Studies (Kansai Gaidai) in Osaka or Yonsei University in Seoul, institutions with which Maryville College has student exchange agreements, or other approved colleges offering programs for native English-speakers. Enrollment at Kansai and Yonsei may be for either one or two semesters; up to 16 credit hours can be earned for each semester.

Also available for satisfying this requirement are the summer programs of the Minami Hokkaido International Cultural Exchange Center (MIC), located in Hokkaido. Both Kansai and MIC provide opportunities for living with a Japanese family. Supplementary travel or work beyond the organized study is strongly encouraged, and up to six additional credit hours may be earned thereby. If the student desires, the period abroad may satisry the graduation requirement for two experiential interim courses.

The minor in international studies consists of 15 hours. It must include Political Science 211 and 212, Sociology 211 or Social Science 303, Economics 221 or 325, and one course chosen from History 342 or 344 (both have prerequisites), or Political Science 311 or 312.

ECONOMICS 221: Economic Development.

ECONOMICS 325: International Trade and Finance.

HISTORY 344: Modern China.

JAPANESE 110-220: Elementary Japanese.

JAPANESE 201-202: Intermediate Japanese.

POLITICAL SCIENCE 211: Comparative Government and Politics.

POLITICAL SCIENCE 212: International Politics.

POLITICAL SCIENCE 311: Government and Politics of East Asia.

POLITICAL SCIENCE 312: Comparative Foreign Policy.

RELIGION 348: Advanced Study in East Asian Religions.

SOCIAL SCIENCE 303: Cultural Geography.

SOCIOLOGY 211: Cultural Anthropology.

INTERNATIONAL STUDIES 351-352: Independent Study.

Department of Languages and Literature

Professors Blair (Chairman) and Beck; Associate Professor Bushing; Assistant Professors Conner and Schneibel; Ms. Franklin, Ms. Lax-Farr, Ms. Prough, Mr. Thomas.

The Department of Languages and Literature includes several related disciplines and offers a variety of programs. In English, prospective majors may choose to follow one of three tracks: one emphasizing the study of literature; another emphasizing writing; a third combining work in English and speech-theatre.

A minor in theatre is available as well. The department also provides instruction in six languages other than English, including two classical and four modern languages. In Spanish, a minor is offered which includes study of the literature, customs, and cultures of the Spanish-speaking world.

English

The major in English opens doors to varied careers. The skills in writing, research, and human understanding, which the major seeks to develop, prepare the student not only for teaching and the many branches of editing and publishing, but for other professions, particularly law. These same skills are in demand in business and industry where leadership positions go to those who can think logically and express themselves clearly.

To serve student needs and interests in a discipline that integrates three important areas, the department offers a choice among three tracks.

The minor in English requires the completion of 15 hours of English at the 200-level or above, including English 311. The other choices may be based on the student's particular interests but should include at least one period course and one genre course.

Track I

The traditional major requires a minimum of 30 hours in English courses above the 100-level, including 214, 311, and 351-352. Required related courses are three history courses to be chosen from History 111-112, 211-212. Those planning to go to graduate school should fulfill the foreign language requirement with French or German. Those planning to teach in high school are advised to take Oral Interpretation (Speech 203) and American Literature (221-222).

Track II

Students whose primary interest is in writing may design a major program with a writing emphasis. This program requires 33 hours in English and nine hours in related courses. The courses in English must include 214, 311, 337, and two of the following: English 217, 218, 219. English 337 is an off-campus internship in journalism, publishing, technical writing or related areas. The internship may be extended up to nine hours; the additional hours do not count toward basic requirements. The related courses are to be chosen from one field, such as biology, history, or political science, depending upon the student's interest.

Track III

Those whose primary interest is in theatre may pursue an English major with that emphasis. The program consists of at least 30 hours in English and speech-theatre, including English 214, 311, 332, 345, 346, 351-352, Speech-Theatre 312 and one of the following speech-theatre courses: 211, 212, or 311. Required related courses are three courses to be chosen from History 111-112, 211-212.

101. ENGLISH AS A SECOND LANGUAGE I
A course for international students who have studied English but need additional work to reach college-level proficiency. Attention is given to spoken as well as written English. Not required of those who can demonstrate sufficient command of the language. 3 credit hours

102. ENGLISH AS A SECOND LANGUAGE II
A continuation of English 101 for students who are not ready for English 104. 3 credit hours
Offered as demand warrants

104. FUNDAMENTALS OF ENGLISH USAGE
A basic course in expository writing that combines systematic study of grammar and mechanics with exercises in sentence combining, practice in paragraph writing, and weekly themes. Students may expect to acquire writing skills that will be useful in all college courses. Those who demonstrate mastery of these skills, through standardized tests and writing samples, may begin with English 130. 3 credit hours

130. COMPOSITION AND RESEARCH
A course in organization and research methods, with major emphasis on the library paper. It also includes a review of the mechanics of writing, a study of the methods of rhetoric, attention to style, and practice in oral reports. 3 credit hours
Prerequisite: Placement into the course, or English 104.

208. CHILDREN'S LITERATURE
An historical and critical overview of children's literature from the 15th century to the present, with emphasis on milestone books, authors, and illustrators. Attention is given to literary styles, the relationship of art and text, and criteria for judging contemporary literature. Not to be counted toward a major in English. 3 credit hours
Offered 1987-88 and alternate years

214. INTRODUCTION TO LITERARY STUDIES
An introduction to the methods and materials useful to the serious student of literature. The readings, selected from English and American masterpieces, represent major periods and genres. Emphasis is on intensive analysis based on careful reading and attention to the pertinent scholarship and various critical approaches. Students are encouraged to develop their own scholarly styles through the writing of critical papers. 4 credit hours

217. INTRODUCTION TO JOURNALISM
An introduction to journalism for students who work on college publications or otherwise have an interest in the subject. Through lectures, class discussions, speakers from the professional journalism community, videos, and field trips, the course provides an overview of the profession and its historical, ethical, and legal issues. Practice in copy editing, layout, headlines, captions, and different types of news and feature stories is included, along with attention to individual writing style and development of analytical and critical skills.
Prerequisite: English 130. 3 credit hours

218. TECHNICAL WRITING
A thorough analysis of individual writing problems followed by an in-depth study of technical writing. Topics for consideration, depending upon class interest, include business communication, reports, scientific writing, proposals, brochure designing, graphic representation, instructions, newsletters, legal writing, advertising, and TV and radio commercials. Students in Tracks I and III may not count both 218 and 219 toward major requirements.
Prerequisite: English 130. 3 credit hours
Offered 1986-87 and alternate years

219. ADVANCED COMPOSITION
An analysis of individual writing problems and development of style, followed by experience in five types of writing. Students develop portfolios of the five types, including one on which they concentrate. Topics include the magazine article, short story, science fiction, poetry, drama, biography, criticism, film script, children's stories, and journalism. Students in Tracks I and III may not count both 218 and 219 toward major requirements. 3 credit hours
Prerequisite: English 130. Offered 1986-87 and alternate years

221. AMERICAN LITERATURE TO 1865
A chronological approach to the development of American literature from its beginnings to the end of the Civil War. After a brief survey of the colonial period, the emphasis is on Poe, Emerson, Thoreau, Hawthrone, Melville, and Whitman. 3 credit hours
Prerequisites: English 130 and Humanities 160 or 180.

222. AMERICAN LITERATURE SINCE 1865
A survey of American literature from the post-war period to the present, from Mark Twain to the contemporary poets, with attention to such writers as Dickinson, James, Eliot, Fitzgerald, Faulkner, Hemingway, O'Neill, and Flannery O'Conner. 3 credit hours
Prerequisites: English 130 and Humanities 160 or 180.

311. HISTORY OF THE ENGLISH LANGUAGE
The history and growth of the English language based on close textual analysis of Old, Middle, and Early Modern English, with some attention to modern grammar and linguistic theory. 3 credit hours
Prerequisite: Junior standing. Offered 1986-87 and alternate years

331. ENGLISH LITERATURE OF THE MIDDLE ENGLISH PERIOD
The major works of Chaucer read in Middle English, with lectures on the historical and literary backgrounds. The fourth-hour reading includes other important works of the Medieval Period, such as Piers Plowman, Pearl, The Wakefield Cycle, and medieval lyrics. 3 or 4 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1987-88 and alternate years

332. ENGLISH LITERATURE OF THE ELIZABETHAN PERIOD
A study of from 12 to 14 plays by Shakespeare, with equal emphasis on the comedies, tragedies, and histories, and attention to the historical and literary backgrounds of the period. The fourth-hour reading includes the works of Shakespeare's chief contemporaries. 3 or 4 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1987-88 and alternate years

333. ENGLISH LITERATURE OF THE 17TH CENTURY
A study of the poetry and prose of the 17th century to Dryden. Emphasis in poetry is on the schools of Donne and Jonson, culminating in a study of the major works of Milton. Prose writers include Bacon, Hobbes, the Character Writers, Browne, and Taylor. 3 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1987-88 and alternate years

334. ENGLISH LITERATURE OF THE RESTORATION AND 18TH CENTURY
A survey of literature from 1660 to 1790, with emphasis on the writing and influence of Dryden, Swift, Pope, Johnson, and Boswell. The course also deals with the emergence of new forms such as the periodical essay and with other literary trends of the period. 3 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1987-88 and alternate years

335. ENGLISH LITERATURE OF THE 19TH CENTURY
A study of Romantic and Victorian Literature as a reflection of the aesthetic, philosophical, social, and scientific developments of the 19th century. Writers to be studied include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Carlyle, Arnold, Ruskin, and the Pre-Raphaelites. 3 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1987-88 and alternate years

336. TWENTIETH CENTURY BRITISH LITERATURE
A survey of the works of such major English and Irish authors as Lawrence, Joyce, Woolf, Yeats, Eliot, and Auden, as well as some important literary groups or movements. Attention is also paid to the works of promising contemporary writers. 3 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1987-88 and alternate years

337-8-9. INTERNSHIP
Field experience that provides an introduction to careers in professional writing through work on the writing staff of a newspaper, magazine, publishing house, or related enterprise.
Prerequisite: English 217, 218, or 219. 3, 6, or 9 credit hours

345. BRITISH DRAMA TO 1900
A survey of English drama from its beginnings to the end of the 19th century. Students read representative plays from each period, beginning with the miracle and morality plays and ending with Oscar Wilde. 3 credit hours
Prerequisite: Junior standing or permission of the instructor. Offered 1986-87 and alternate years

346. BRITISH AND AMERICAN DRAMA OF THE TWENTIETH CENTURY
A survey of drama in Britain and America from 1900 to the present, emphasizing such established playwrights as Shaw, O'Neill, Williams, Miller and Becket as well as certain important literary movements including Little Theater, Irish Theater, and Theater of the Absurd. The course will conclude with the consideration of a range of emerging contemporary authors and their plays. 3 credit hours
Prerequisite: Junior standing or permission of the instructor. Offered 1987-88 and alternate years

347. THE ENGLISH NOVEL
A study of the English novel from its beginnings in the 18th century to the modern period. While tracing minor streams in fiction such as the epistolary and gothic, the course concentrates on the major novelists. 3 credit hours
Prerequisite: Junior standing or permission of the instructor. Offered 1986-87 and alternate years

348. CRITICAL THEORY
A survey of the theory and practice of literary criticism. The course begins with an examination of critical writings from the classical Greeks to the moderns. Special attention is given to the various approaches to contemporary criticism with the students being encouraged to develop their own set of fundamental questions needed for practicing criticism. 3 credit hours
Prerequisite: Permission of the instructor Offered when demand warrants

349. TOPICS IN LITERATURE
Course content various from year to year to meet the special interests, abilities, and needs of advanced students. 3 credit hours
Prerequisite: Permission of the instructor. Offered when demand warrants

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, on a topic that will provide experience in intensive research and the preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year. Students who have a strong interest in writing and the prerequisite in advanced composition may present a proposal for a creative writing project. 6 credit hours
Prerequisite: The completion of at least four courses toward an English major.

Speech-Theatre

The minor in theatre requires the completion of 15 hours, including Theatre 312 and either English 332 or 346, with the remaining courses to be chosen from the courses in theatre listed below or Speech 203. The theatre minor is not open either to English majors in Track III or to those with individualized majors that include theatre.

201. BASIC PUBLIC SPEAKING
A course designed to develop skills in extemporaneous speaking and parliamentary procedure. The student is expected to master the basic skills of research, organization, rehearsal, and delivery as they pertain to oral communication within a group structure. 3 credit hours
Prerequisite: English 130.

202. ADVANCED PUBLIC SPEAKING AND DEBATE
The course concentrates on the enhancement of speaking ability and the development of personal style. The principles of debate are also considered, and practical experience is acquired, using the national topic for intercollegiate debate. 3 credit hours
Prerequisite: Speech 201 or permission of the instructor.

203. ORAL INTERPRETATION OF LITERATURE
Practice in selecting and adapting written material for oral presentation. Students prepare readings which they present for evaluation, as well as scripts for Readers' Theatre and Chamber Theatre presentation. 3 credit hours
Prerequisite: Sophomore standing. Offered 1987-88 and alternate years

211. STAGECRAFT
An introduction to six elements of stagecraft: (a) set design and construction, (b) lighting design and construction, (c) costume design and construction, (d) make-up (e) theatre management, (f) stage management. Students choose two of the elements for special concentration during the term. 3 credit hours

212. ACTING
A study of acting methods and terminology. Students complete assigned readings, perform dramatic scenes for evaluation, and participate in an end-of-term public performance. 3 credit hours

311. DIRECTING
A study of the methodology and terminology of stage directing, with practical experience in planning and executing a stage production. 3 credit hours

312. HISTORY OF THE THEATRE
A study of the major periods in drama from the Hellenic age to the present. The course includes text assignments, readings from plays representative of each period, and preparation of a substantial term paper. 3 credit hours
Prerequisite: Humanities 280. Offered 1986-87 and alternate years

349. SELECTED TOPICS IN THEATRE
An advanced course designed as a second level of study in acting, directing, or stagecraft. 3 credit hours
Prerequisite: The basic course in the area. Offered 1987-88 and alternate years

Foreign Languages

The study of foreign languages offers an introduction to new cultural patterns along with the acquisition of specific language skills that are increasingly useful in a closely interrelated world. Business majors who know Spanish or Japanese, for example, will find broader opportunities in their field, and political science majors interested in international law would do well to study several languages. All students planning to attend graduate school should prepare themselves with at least one additional language.

The foreign language program at Maryville emphasizes oral-aural facility in the modern languages, supplementing class instruction with drill sessions conducted by native speakers. Classes in French, German, and Spanish through the intermediate level are offered in this fashion. The College's affiliation with the Self-Taught Language Instruction Program makes possible the offering of any modern language for which tapes and native speakers are available on campus. Classes in Greek and Latin stress reading and writing the languages, rather than speaking and hearing.

Instruction at the advanced level is available in Spanish, and a minor is offered in that field. The minor requires a minimum of 15 hours, or the equivalent, above 120. Students who want the experience of studying and living in a Spanish-speaking country may spend a term or year at an approved foreign university. Credits earned there in advanced Spanish courses, as well as in history, philosophy, art or other subjects, can be transferred for graduation credit at Maryville. Special opportunities of this kind are described in the catalog section on international study.

Spanish

110. ELEMENTARY SPANISH
An introduction to Spanish emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers.
4 credit hours

120. ELEMENTARY SPANISH
A sequel to Spanish 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions.
3 credit hours

201-202. INTERMEDIATE SPANISH
An introduction to Spanish literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide further opportunities to develop skills in conversation.
3 credit hours each course
Prerequisite: Spanish 120 or equivalent

301. SPANISH PENINSULAR LITERATURE
A study of major authors and literary currents of Spain since the Middle Ages, but with emphasis on the 20th century. Attention will be given to such authors as Baroja, Jiménez, Lorca, Cela, Buero Vallejo, and Matute.
3 credit hours
Prerequisite: Spanish 202 or the equivalent.
Offered as demand warrants

302. SPANISH AMERICAN LITERATURE
An examination of major authors and literary currents of Spanish America since colonial times, with emphasis on such 20th century authors as Quiroga, Barrios, Gallegos, Mistral, Borges, Neruda, and Garcia Márquez.
3 credit hours
Prerequisite: Spanish 202 or equivalent.
Offered as demand warrants

311. SPANISH FOR FUTURE CAREERS
A course designed for students who expect to use Spanish in their careers. It includes the study of customs and social patterns, as well as the writing of letters and the building of specialized vocabularies. The needs and interests of individual students largely determine the areas of emphasis.
3 credit hours
Prerequisite: Spanish 202 or the equivalent.
Offered 1987-88 and alternate years

349. SELECTED TOPICS IN SPANISH
Concentrated study on a selected topic in Spanish literature, language, culture, or civilization. The topics, which vary from year to year according to the interests of the students, will include, among others, the Spanish short story, the history of Spain, the picaresque novel, and Spain in America.
3 credit hours
Prerequisite: Spanish 202 or the equivalent.
Offered 1986-87 and alternate years

French

110. ELEMENTARY FRENCH
An introduction to French emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers.
4 credit hours

120. ELEMENTARY FRENCH
A sequel to French 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions.
3 credit hours

201-202. INTERMEDIATE FRENCH
An introduction to French literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide additional opportunities to develop skills in conversation. 3 credit hours
Prerequisite: French 120 or the equivalent. Offered as demand warrants

German

110. ELEMENTARY GERMAN
An introduction to German emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers.
4 credit hours

120. ELEMENTARY GERMAN
A sequel to German 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence building are stressed in class and drill sessions. 3 credit hours

201-202. INTERMEDIATE GERMAN
An introduction to German literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide additional opportunities to develop skills in conversation. 3 credit hours each course
Prerequisite: German 120 or the equivalent. Offered as demand warrants

Greek

110-120. ELEMENTARY HELLENISTIC AND KOINE GREEK
Designed to prepare student to read the literature of the early church and its environment.
110: 4 credit hours
120: 3 credit hours
Offered 1987-88 and alternate years

201. INTERMEDIATE HELLENISTIC GREEK
Rapid reading of the literature of the early church, pagan, and Jewish authors. 3 credit hours
Prerequisite: Greek 120 or the equivalent. Offered as demand warrants

Japanese

110-120. ELEMENTARY JAPANESE
Introduction to basic conversation patterns of contemporary Japanese, emphasizing vocabulary and grammar. Practice in conversation is provided through sessions with native speakers. The second course introduces hiragana and katakana syllabaries. 110: 4 credit hours
120: 3 credit hours

201-202. INTERMEDIATE JAPANESE
A continuation of Japanese 110-120, with the introduction of 100 kanji (Chinese characters) in 201 and an additional 100 kanji in 202. 3 credit hours each course
Prerequisite: Permission of the instructor. Offered as demand warrants

Latin

110-120. ELEMENTARY LATIN
Fundaments of the language with some references to the literature, mythology, and history of Rome.
Offered 1986-87 and alternate years. 110: 4 credit hours
120: 3 credit hours
Offered 1986-97 and alternate years

Department of Mathematics, Physics, and Computer Science

Professors Dent (Chairman) and Nichols; Associate Professor Yager; Ms. Darken, Mr. Shamblin, Mr. Vinson

The Department of Mathematics, Physics, and Computer Science offers three major and three minor programs of study. The major in mathematics involves work in both pure and applied areas. A major combining computer science and mathematics is also available. The needs of the student wishing to combine computer science and business are met through a program provided in conjunction with the Division of Social Sciences. Minors are offered in the fields of physics, mathematics, and computer science.

In addition to these programs that are completed at Maryville, the department provides the courses necessary for entry into the College's dual degree program in engineering.

Mathematics

The major in mathematics consists of 54 hours in principal and related fields. Required courses in mathematics are 125, 225, 232, 235, 236, 302, 312, 315, 321, 326, and 351-352. Related courses are Physics 201 and 202, and Computer Science 121 and 219. Any student who expects to attend graduate school is advised to acquire intermediate-level proficiency in French or German.

The minor in mathematics requires 125, 225, 232, and two other courses numbered above 225.

105. FUNDAMENTALS OF ALGEBRA
Review of basic algebraic skills. Signed numbers, fractions, factoring, exponents, linear and quadratic equations, inequalities, absolute value, and scientific notation. Required of all students who lack an entrance credit in algebra or who perform below minimum standards on the mathematics placement examination. The course is listed on the student's official record, but the three credit hours earned by satisfactory completion do not count toward the minimum needed for graduation.

115. PRECALCULUS MATHEMATICS
Fundamentals of college algebra and trigonometry. Functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and complex numbers. 4 credit hours
Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.

116. TRIGONOMETRY
Study of the principles of analytic trigonometry and the trigonometric functions. An alternative to Mathematics 115; both courses may not be taken for credit. 2 credit hours
Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.

125. CALCULUS I
Limits, the derivative and its applications, and an introduction to the integral.
Prerequisite: Mathematics 115 or 116, or the equivalent. 4 credit hours

207. MATHEMATICS FOR ELEMENTARY TEACHERS
A study of the structure of the real number system, algebra, and geometry. Material designed to meet the needs of students preparing to be elementary teachers. 3 credit hours
Prerequisite: Mathematics 120. Offered 1987-88 and alternate years

221. INFERENTIAL STATISTICS
An introduction to decision-making. Topics include sampling theory, estimation of parameters, hypothesis testing, analysis of variance, and both parametric and non-parametric tests.
Prerequisite: Mathematics 120. 3 credit hours

225. CALCULUS II
The definite integral and applications, analytic geometry, exponential and logarithmic functions, trigonometric functions, hyperbolic functions, and techniques of integration. 4 credit hours
Prerequisite: Mathematics 125.

232. LINEAR ALGEBRA
Linear equations, vector spaces, linear transformations, determinants, matrices, and applications. 3 credit hours
Prerequisite: Mathematics 125

235. CALCULUS III
Solid analytic geometry, vectors, infinite series, partial differentiation, and multiple integration.
Prerequisite: Mathematics 225 4 credit hours

236. ORDINARY DIFFERENTIAL EQUATIONS
Equations of order one, linear differential equations, undetermined coefficients, variation of parameters, differential operators, applications. 3 credit hours
Prerequisite: Mathematics 225.

302. MODERN ALGEBRA
Introduction to abstract algebra. Groups, rings, integral domains, fields. 3 credit hours
Prerequisite: Mathematics 232. Offered 1987-88 and alternate years

312. ADVANCED LINEAR ALGEBRA
A theoretical study of linear equations, linear spaces, linear mappings, matrices, determinants, and equivalence relations on matrices. Emphasis is placed on a canonical form for similarity of matrices. 3 credit hours
Prerequisite: Mathematics 302. Offered 1987-88 and alternate years

315. ADVANCED CALCULUS
Theory of limits, continuity, differentiation, integration, sequences, and series. 3 credit hours
Prerequisite: Mathematics 235. Offered 1986-87 and alternate years

321. PROBABILITY AND STATISTICS
Probability, empirical distributions, discrete and continuous distributions, sampling distribution theory, confidence intervals, estimation theory and hypothesis testing. 3 credit hours
Prerequisite: Mathematics 225 Offered 1986-87 and alternate years

326. NUMERICAL ANALYSIS
An introduction to the techniques of obtaining numerical solutions on a computer. Topics covered will include roots of equations, numerical integration, least squares, simultaneous equations and curve fitting. 3 credit hours
Prerequisite: Mathematics 225 and Computer Science 219. Offered 1987-88 and alternate years

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Computer Science/Mathematics

The major in Computer Science/Mathematics consists of 52 hours in Computer Science and Mathematics. Required courses in Computer Science are 121, 215, 219, 221, 301, 303, and 311. Required courses in Mathematics are 125, 225, 232, 235, 236, 321, 326, 351, and 352.

Computer Science/Business

The major in Computer Science/Business consists of 55 hours. Required courses are Computer Science 121, 123, 215, 217, 221, 311, and 313.; Mathematics 125, 221, and 225 or 232; Economics 201 and 322; Management 212; Business 302, 342, 351-352, and 401. For students wishing to emphasize finance, Business 215, 216 and 344 may be substituted for Management 212 and Business 302 and 342. The courses in business, economics, and management are described in the section of this catalog devoted to the Division of Social Sciences.

Computer Science

The minor in computer science consists of 16 credit hours. Computer Science 121 and 221 are required, as are two courses chosen from 215, 217, and 219, and one 300-level course.

121. INTRODUCTION TO COMPUTER SCIENCE: BASIC PROGRAMMING
An introduction to computing, the BASIC programming language, and the computing facilities available at the college. Elementary computer terminology and architecture, flowcharting, algorithm construction, and programming projects are stressed. 4 credit hours
Prerequisite: Mathematics 105 or satisfactory performance on the mathematics placement examination.

123. COMPUTERS AND THE SMALL BUSINESS
An introduction to the uses of computers for small and medium-size businesses. Topics include data-base management, management information systems, word processing and electronic spreadsheets. The course emphasizes the application of computer software and microcomputers.
3 credit hours
Offered 1986-87 and alternate years

215. INTERMEDIATE PROGRAMMING: PASCAL
Structured programming in the PASCAL language. Emphasis on program design, coding, debugging, and documentation with applications taken from various disciplines. 3 credit hours
Prerequisite: Computer Science 121.

217. INTERMEDIATE PROGRAMMING: COBOL
Structured programming in the COBOL language. Emphasis on program design, coding, debugging, and documentation with applications taken from business-related disciplines. 3 credit hours
Prerequisite: Computer Science 121. Offered 1987-88 and alternate years

219. INTERMEDIATE PROGRAMMING: FORTRAN
Structures programming in the FORTRAN language. Emphasis on program design, coding, debugging, and documentation with applications taken from scientific disciplines. 3 credit hours
Prerequisite: Computer Science 121 and Mathematics 115 or the equivalent.

221. COMPUTER ARCHITECTURE
Introduction to computer organization and architecture. Hardware components, representation of data, machine language instruction, I/O devices and operations. 3 credit hours
Prerequisite: Computer Science 215, 217, or 219.

301. ASSEMBLY LANGUAGE PROGRAMMING
An introduction to assembly language programming on a microcomputer. Extensive practice in programming with assigned projects. 3 credit hours
Prerequisite: Computer Science 221. Offered 1986-87 and alternate years

303. DISCRETE STRUCTURES
Discrete structures useful in computer science. Topics will include sets, logic, boolean algebra, graphs, trees, and combinatorics. 3 credit hours
Prerequisite: Computer Science 215, 217, or 219, and Mathematics 225. Offered 1986-87 and alternate years

311. DATA STRUCTURES AND FILE PROCESSING
An introduction to the concepts and techniques of structuring and manipulating information. Topics include sequential access files, random access files, elementary data structures, linked lists, stacks, sorting, and searching. 3 credit hours
Prerequisite: Computer Science 221. Offered 1987-88 and alternate years

313. DATA BASE MANAGEMENT SYSTEMS
A course in the design, function, and application of data base management systems using the college's data base software. 3 credit hours
Prerequisite: Computer Science 221 and 311. Offered 1987-88 and alternate years

Physics

The minor in physics consists of a minimum of 35 hours. Required courses are Physics 201, 202, 203, and 301. Mathematics 125, 225, 235, and 236, and either Physics 361 or a suitable section of Chemistry 451.

101. PHYSICS FOR THE LIFE SCIENCES I
An introduction to physics for students in the life sciences. Topics covered will include mechanics, fluids, heat, wave motion and acoustics, with stress on application to the life sciences. 4 credit hours
Prerequisite: Mathematics 115 or the equivalent. Offered 1987-88 and alternate years

102. PHYSICS FOR THE LIFE SCIENCES II
A continuation of Physics 101. Topics covered include electricity and magnetism, AC and DC circuits, use of electrical instrumentation, optics and modern physics. 4 credit hours
Prerequisite: Physics 101. Offered 1987-88 and alternate years

201. MECHANICS
A calculus-based introduction to physics for physical scientists and engineers. Among topics covered are the mechanics of particles, rigid bodies and fluids. 4 credit hours
Prerequisite: Mathematics 225.

202. ELECTRICITY AND MAGNETISM
An introduction to electricity and magnetism including electrostatics, magnetism and DC and AC circuits. 4 credit hours
Prerequisite: Physics 201.

203. WAVE, OPTICS AND MODERN PHYSICS
Topics include vibrations, mechanical waves, electromagnetic waves, geometric and physical optics, and elementary modern physics. 4 credit hours
Prerequisite: Physics 202. Offered 1986-87 and alternate years

301. INTERMEDIATE MECHANICS
Newtonian dynamics of particles and rigid bodies including viscous forces, linear and nonlinear oscillations, Lagrange's equations, planetary motion and collisions. 4 credit hours
Prerequisite: Physics 201 and Mathematics 236. Offered 1987-88 and alternate years

361. CONTEMPORARY PHYSICS
This course is designed to acquaint the student with contemporary ideas and current research areas in physics. Topics include relativity, the wave-particle duality, quantum phenomena, atomic structure, nuclear structure and reactions, elementary particles, and solid-state physics. 4 credit hours
Prerequisite: Physics 203 and Mathematics 236. Offered as demand warrants

Engineering

Associate Professor Yager, Coordinator

The dual degree program in engineering is described generally in the catalog section on pre-professional programs. Ninety-six credit hours must be earned at Maryville, with the remainder completed at the cooperating institution. The program is highly structured, and most of the courses are part of a sequence.

For that reason, one's course of study must be carefully planned to insure that all core and major requirements are met during the three years spent at Maryville. Required courses are Mathematics 125, 225, 235, 236; Physics 201, 202, and 203 or 301; Chmemistry 121 and 122; Computer Science 219, and Independent Study 351.

Committee on Medieval Studies

Assistant Professor Edwin Conner, coodinator

Under the auspices of the Committee, a multi-disciplinary minor in medieval studies is offered. The program emphasizes major currents of thought in the West from the collapse of the Roman Empire to approximately 1500. A minimum of 15 hours is required, with courses chosen from Art 312, English 311 and 331, History 211 and 313, Music 301, Philosopohy 301, and an appropriate section of Religion 346. The courses are described under the separate departmental listings.

ART 312: Ancient and Medieval Art
ENGLISH 311: History of the English Language
ENGLISH 331: Literature of the Middle English Period
HISTORY 211: History of England to 1600
HISTORY 313: Europe and the Middle Ages
MUSIC 301: Music History and Styles: Antiquity through the 16th Century
PHILOSOPHY 301: Ancient and Medieval Philosophy
RELIGION 364: Advanced Study in the History of Christian Thought

Department of Religion and Philosophy

Professors Cartlidge (Chairman) and Yu; Ms. Lunden

The Department of Religion and Philosophy focuses on concerns and questions that have long been regarded as fundamental to human existence. Religion and philosophy are separate disciplines, but they contribute insights and methods to each other, and they both benefit from and inform the perspectives and knowledge of other fields of study.

Religious expression takes many forms, and religious study includes consideration of literature and other arts, social institutions, and historical settings, as well as cross-cultural comparisons. Philosophy is preeminently concerned with the quest for understanding, based on inquiry and reflection; at Maryville the course offerings emphasize the history of thought and the sub-field of ethics. In religion both a major and a minor are offered. In philosophy a minor is available.

Religion

The major in religion consists of 45 hours in religion and related areas. Required courses in religion are 211, either 201 or 221, 325, 326, and 328; three courses chosen from 342, 344, 346, and 348, and 351-352. Courses required in related areas are Sociology 101 or 211, Philosophy 326 and 329, one course from Philosophy 301, 303, 304, and one course from History 209, 314, English 219, Art 312.

The minor in religion consists of 18 hours, including 211 and either 201 or 221; two courses from 325, 326, 328; one course in the 340 series, and either Sociology 101 or 211.

201. THE BIRTH OF THE CHRISTIAN TRADITION
An introduction to the literature, theology, sociology and history of the church in the Greco-Roman empire to *ca* A.D. 250. 3 credit hours

211. VARIETIES OF RELIGIOUS EXPERIENCE AND EXPRESSION
An introduction to human religious experience, the varieties of religious expression, and the ways by which the academic study of religion gains access to religious phenomena. The American religious experience is the usual model employed. 3 credit hours

221. ISRAEL IN THE ANCIENT NEAR EAST
An introduction to the literature, community, and theology of the Hebraic tradition in the milieu of the Ancient Near East to *ca* 64 B.C. 3 credit hours
Offered 1986-87 and alternate years

325. SOCIOLOGY OF RELIGION
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons. 3 credit hours
Prerequisite: Sociology 101 or 211. Offered 1986-87 and alternate years

326. CONTEMPORARY THEOLOGY
An examination of current theological themes, problems, and the commentators upon these issues; close attention is given to the historical, social, and political origins of contemporary theological thinking. 3 credit hours
Prerequisite: A 200-level religion course or Fine Arts 210 or Junior standing. Offered 1987-88 and alternate years

328. RELIGIOUS SYMBOL AND ART-SYMBOL
An introduction to the phenomenology of religion through an exploration of the human aesthetic and religious experience; myth and ritual in art and religion. 3 credit hours
Prerequisite: A 200-level religion course or Fine Arts 210 or Junior standing. Offered 1987-88 and alternate years

342. ADVANCED STUDY IN HEBRAIC, JUDAIC, AND EARLY CHURCH TRADITIONS
Selected topics from the literatures of Israel, Judaism, and the early church. 3 credit hours
Prerequisite: Humanities 160 or 260, or a 200-level religion course. Offered as demand warrants

344. THE SEARCH FOR PEACE IN RELIGIOUS TRADITIONS
A study of the role and nature of peace in world religions. Includes the study of the religious/cultural concepts which surround several words such as shantih, shalom, eirene; the examination of relationships between peace in human inner and outer environments and the connection between peace and social justice. 3 credit hours
Prerequisites: Junior standing or a 200-level Religion course. Offered as demand warrants

346. EXPLORATIONS IN THE HISTORY OF CHRISTIAN THOUGHT: ADVANCED STUDY
Emphasis upon a theological theme in Christian literature, on an historical period of Christian theology, or on specific theologians. 3 credit hours
Prerequisites: World Religions 310, or Religion 201, 211, or 221. Offered as demand warrants

348. EXPLORATIONS IN THE HISTORY OF RELIGIONS: ADVANCED STUDY
Emphasis upon one or more of the religious traditions in Greco-Roman, Ancient Near Eastern, Asian or African religious traditions. 3 credit hours
Prerequisite: World Religions 310. Offered as demand warrants

351-352. INDEPENDENT STUDY
Commonly a research project resulting in a thesis or substantial essay, but other types of work, such as the writing and performance of religious music or the writing and production of religious drama, are also acceptable. 6 credit hours

Philosophy

The minor in philosophy consists of 15 credit hours. Philosophy 301 and 303 are required, along with three other courses.

204. INTRODUCTION TO PHILOSOPHY
An introduction to philosophical investigation and reflection, emphasizing the search for ways to understand oneself and the world. Students are encouraged to formulate their own critical perspectives, as they consider such major philosphical problems as the existence of God, the freedom of the will, the bases of knowledge and belief, and the nature of social and political responsibility. 3 credit hours

206. ETHICS
Examination of some major ethical theories in light of the contemporary challenges of relativism and subjectivism. The course seeks to help students to discover what it is to be good, to understand the foundations of ethical values, and to develop skill at applying critical and reflective thinking to one's values, decisions and actions. 3 credit hours
Offered 1986-87 and alternate years

208. SPECIAL TOPICS IN PHILOSOPHY
Philosophic examination of a topic or thinker of special interest to students and faculty. Students are invited to propose topics for the course. Course may be repeated for credit when topics vary. 3 credit hours
Prerequisite: Humanities 160 or 180. Offered as demand warrants

301. ANCIENT AND MEDIEVAL PHILOSOPHY
Examines the birth of self-critical reflection especially in Socrates, Plato and Aristotle, with emphasis on the historical and contemporary significance of the integration of self-knowledge with the political order and an understanding of the cosmos in Greek and Roman thought. 3 credit hours
Prerequisite: Philosophy 204 or 206, or junior standing and permission of the instructor. Offered 1986-87 and alternate years

303. MODERN PHILOSOPHY: THE 16TH TO THE 19TH CENTURY
Discussion of the rise of individualism, subjectivism, and the modern scientific world view, with their revolutionary implications for contemporary interpretations of self, world and responsible ethical, political and cultural commitment. 3 credit hours
Prerequisite: Philosophy 204 or 206, or junior standing and permission of instructor. Offered 1987-88 and alternate years

304. CONTEMPORARY PHILOSOPHY
Exploration of some of the major philosophical movements in the 20th century, such as existentialism, pragmatism, phenomenology, logical positivism, linguistic analysis, and process philosophy. 3 credit hours
Prerequisite: Philosophy 204 or 206, or junior standing and permission of instructor. Offered 1987-88 and alternate years

326. PHILOSOPHY OF RELIGION
Religious symbols and systems studied from a philosophical perspective. Among questions considered are the nature of religious language, approaches to religious truth, various conceptions of divinity, and whether humans are naturally religious. 3 credit hours
Prerequisite: Philosopohy 204 or 206, or a 200-level religion course. Offered 1987-88 and alternate years

329. MODERN CRITIQUES OF RELIGION
An exploration of the thought of atheistic and agnostic thinkers and some of the critiques, both sympathetic and hostile, of religious beliefs, attitudes and practices. 3 credit hours
Prerequisite: a 200-level religion course. Offered as demand warrants

Division of Social Sciences

Professors Kim; Associate Professors Boldon and Howard (Acting Chairman); Assistant Professors Brunger, Greenberg and Phillips; Ms. Cuddy, Dr. Crawford.

The Division of Social Sciences brings together the disciplines of business, economics, geography, management, political science and sociology. These fields have different emphases and primary concerns, but they have in common a fundamental interest in human behavior and social structure. This shared interest makes it desirable for students in one field to be familiar with the perspectives of the others. The curriculum in the Division is arranged to facilitate such cross-disciplinary study, and every program involves work in two or more related disciplines. The Division also provides a framework in which theoretical studies can be effectively combined with career-oriented courses and practical experiences. Majors are offered in business, economics, management and political science. Minors are offered in accounting, business, economics, management, political science, and sociology.

In conjunction with the Department of Mathematics, Physics, and Computer Science, the Division also offers a combined major in computer science and business. Requirements for that major are described in the catalog section devoted to computer science.

Divisional Courses

301. SOCIAL SCIENCES RESEARCH METHODS
The philosophy and methodology of the social sciences. Emphasis on the philosophical underpinnings, basic research design, forms of data gathering and the analysis, presentation and interpretation of data. Individual student research projects related to various social science disciplines. 3 credit hours
Prerequisite or corequisite: Mathematics 221.
Prerequisite: One course in economics, political science, psychology or sociology. Offered 1986-87 and alternate years

303. CULTURAL GEOGRAPHY
A study of the relationship between culture and the physical environment. Cultural attitudes toward nature, the transformation of natural into cultural landscapes, invention and the diffusion of culture, demography and settlement patterns, modernization and development, culture areas. 3 credit hours
Prerequisite: At least sophomore standing. Offered 1986-87 and alternate years

Business and Accounting

The major in business is designed to give the student a knowledge of the basic principles and analytical tools of business. To provide the broad perspective of the generalist, the student is introduced to a variety of business functions. This approach makes it possible for the student to consider a range of career fields, including retailing, banking, finance, marketing, and insurance.

The major in business consists of a minimum of 48 hours in the principal and related fields. Required courses are Business 215-216, 302, 351-352, and 401, Economics 201, Management 305, Sociology 101, Mathematics 221, Computer Science 121, and 15 hours chosen from Economics 321, 322, 331, and Business 251, 341, 342, and 344.

The minor in business requires completion of at least 15 hours, including Business 302, Economics 201, and Management 212. (Business 215 and 216 may be substituted for Management 212.) The minor is completed with six hours chosen from Business 341, 342, and 344.

The minor in accounting is designed to supplement a student's preparation in

a major field. Though it will not prepare for direct entry into a career in accounting, it does provide additional depth in the field and the background necessary for further study. Qualification to sit for the C.P.A. examination (in Tennessee) requires four courses beyond the Maryville College program.

There are two tracks by which the minor in accounting may be earned; both tracks require completion of at least 15 hours. The first track requires Business 215, 216, 317, 318 and either Business 344 or Computer Science 123. The second track requires Management 212, Business 317, 318, 344, and Computer Science 123.

215. PRINCIPLES OF ACCOUNTING I
Introduction to the methods and principles of processing financial data including the accounting cycle, journals, ledgers, inventories, and depreciation.
Emphasis is on the single proprietorship. 3 credit hours

216. PRINCIPLES OF ACCOUNTING II
Application of accounting methods and principles to corporations. Topics include capital stock, dividends, taxes, and cost accounting. 3 credit hours
Prerequisite: Business 215

251. ECONOMIC HISTORY OF THE U.S.
Development from colonial times to the present in agriculture, industry, communications, transportation, banking and trade with emphasis on the Industrial Revolution, the robber barons, populism, Progressivism, the New Deal, and the current state of the U.S. Economy. Special attention to ALCOA, the TVA, and regional industrial/economic conditions.
Prerequisite: Sophomore standing 3 credit hours
Offered 1986-87
and alternate years

302. PRINCIPLES OF MANAGEMENT
Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling. 3 credit hours
Prerequisite: Sophomore standing and
one course in the social sciences.

317. MANAGEMENT ACCOUNTING
Internal use of accounting information by managers in decision-making. The generation and use of information in all types of organizations for planning and control purposes, including budgeting and cost-volume-profit relationships. 3 credit hours
Prerequisite: Business 216 or Management 212. Offered 1987-88
and alternate years

318. TAX ACCOUNTING
An introduction to the preparation of tax materials for individuals and small organizations. Emphasis on reading and interpreting of tax regulations and computation of tax liability. 3 credit hours
Prerequisite: Business 216 or Management 212. Offered 1987-88
and alternate years

341. BUSINESS LAW
An introduction to the U.S. legal system, involving case studies. Torts, contract, agency and employment relationships, and commercial paper are considered.
Prerequisite: Junior standing. 3 credit hours

342. MARKETING
An examination of individual and organizational activities aimed at facilitating market exchanges. Emphasis is on the mix of marketing variables: product, place, price, and promotion. 3 credit hours
Prerequisite: Junior standing. Offered 1986-87
and alternate years

343. PRACTICUM IN BUSINESS
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to business majors. 2-3 credit hours
Prerequisite: Senior standing and permission of the business faculty.

344. BUSINESS FINANCE
Principles of financial management including ratio analysis, forecasting, budgeting, sources of funds, valuation, cost of capital, and taxes. 3 credit hours
Prerequisite: Business 216 or Management 212.

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

401. BUSINESS POLICY
A course designed to foster integration of the student's knowledge of various business functions. Business problems are analyzed using the case study method. Open only to students majoring in business. 2 credit hours
Prerequisite: Senior standing and permission of the instructor.

Economics

The major in economics is appropriate for the student interested in the functioning of the economic system and in economic policy. For most positions in the business world, students who major in economics are competitive with those who major in business. For situations with strong theoretical emphasis, the major in economics provides an important advantage. The economics major also provides a basis for graduate study in management, business, finance, law, and a variety of other fields.

The major in economics consists of a minimum of 42 hours in economics and related fields. Required courses in economics are 201, 221, 321, 322, 331, 334, 325 or 349, and 351-352. Related courses are Management 212 or Business 215-216, Sociology 101, Mathematics 221, Social Science 301, and Political Science 122 or 232.

The minor in economics consists of 15 hours, including 201, 321, 322, and six hours chosen from 221, 325, 331, 334, and 345.

201. PRINCIPLES OF ECONOMICS
A survey of economic principles and institutions. Topics include the philosophical foundations of market economies, supply and demand, competition and monopoly, the monetary system, and determination of national income and prices. Scarcity, inflation, and unemployment are addressed. 3 credit hours

221. ECONOMIC DEVELOPMENT
An inquiry into the problems of economic development and social change in less developed countries. The course focuses on issues of poverty, population, industrialization, agriculture, and trade. 3 credit hours
Offered 1987-88 and alternate years

321. MACROECONOMICS
Macroeconomic theory and analysis including synthesis of classical and Keynesian models of income determination. Monetary theory, inflation, unemployment and expectations are studied, and current economic issues examined. 3 credit hours
Prerequisite: Economics 201. Offered 1987-88 and alternate years

322. MICROECONOMICS
Microeconomic theory and analysis, including consumer demand, prediction, the firm, and general equilibrium. Applications to problems of private choice and public policy are considered. 3 credit hours
Prerequisite: Economics 201.

325. INTERNATIONAL TRADE AND FINANCE
An examination of the theory of trade, barriers to trade, balance of payments, exchange rates, and the adjustment process. The role of international institutions is considered, including the International Monetary Fund and multinational enterprise. 3 credit hours
Offered 1986-87 and alternate years

331. PUBLIC POLICY TOWARD BUSINESS
An inquiry into the control of monopoly through antitrust law and promotion of the public interest through actions of regulatory commissions. Selected aspects of government ownership and operation of enterprises, and promotion and protection of business interest, are considered. 3 credit hours
Prerequisite: Economics 201. Offered 1987-88 and alternate years

334. HISTORY OF ECONOMIC THOUGHT
An examination of the development of economic thought since ancient times. The course emphasizes the emergence of economics as a social science, from the late 18th century to the present. 3 credit hours
Prerequisite: Economics 201 Offered 1987-88 and alternate years

349. SELECTED TOPICS IN ECONOMICS
Focuses on timely topics in national or international economics not covered in other departmental course offerings. Subject matter varies from year to year. 3 credit hours
Prerequisite: 9 hours in economics or permission of the instructor. Offered as demand warrants

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Management

The major in management focuses principally on the field of human resources management and is designed to provide a background in decision making, the behavior of complex organizations and the economic, political and social aspects of management.

The major is designed to be applicable to a variety of management settings including business, public administration, voluntary organizations, health services and the arts. The independent study requirement and the possibility of a field experience in management provide the opportunity for study in a specialized field.

The major in management consists of a minimum of 45 hours in management and related fields. Required courses are Management 212, 221, 232, 302, 305, 333, 351-352, and 404, Economics 201, Social Science 301, Computer science 121, Economics 201, Mathematics 221, Psychology 101, Sociology 101, and Social Science 301.

The minor in management consists of a minimum of 18 hours. Required courses are Management 302, 305, and 333, Sociology 101, and Economics 201. One additional course must be chosen from Management 212, 221, 232, and Social Science 301.

212. SURVEY OF ACCOUNTING
An introduction to income statements, balance sheets, changes in financial position, cash flow budgets, ratio analysis and other financial tools. Emphasis on reading and understanding rather than actual preparation.
Not open to students who receive credit for Business 216. 3 credit hours

221. SOCIAL PSYCHOLOGY
The study of the interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied.
Prerequisite: Psychology 101 3 credit hours

232. PUBLIC POLICY
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making. 3 credit hours
Prerequisite: Sophomore standing or above Offered 1987-88 and alternate years

302. PRINCIPLES OF MANAGEMENT
Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling. 3 credit hours
Prerequisite: Sophomore standing and
one course in the social sciences

305. ORGANIZATIONAL BEHAVIOR
Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations. 3 credit hours
Prerequisite: Sociology 101, Management 302.

333. HUMAN RESOURCES MANAGEMENT
The acquisition, supervision and management of human resources. Applied approaches to psychological and sociological dimensions of human behavior in the workplace. 3 credit hours
Prerequisite: Management 302 Offered in 1986-87 and alternate years

343. PRACTICUM IN MANAGEMENT
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to management majors. 2-3 credit hours
Prerequisite: Senior standing and permission
of the management faculty.

349. SELECTED TOPICS IN MANAGEMENT
Examination of topics in management. Topics vary depending on interests of faculty and students. 3 credit hours
Prerequisite: Six credit hours in management or business Offered as demand warrants

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor involving command of the forms and usages of the formal paper. 6 credit hours

404. CASE STUDIES IN MANAGEMENT
The course encourages integration of knowledge through analysis of management problems in business, government, church, school, and other organizations. The case study method is used. Open only to management majors. 2 credit hours
Prerequisite: Senior standing and permission
of the instructor.

Political Science

Political science is concerned with the analysis of political processes and institutions, including comparative systems and international relations. The major in political science helps the student prepare for several fields of endeavor including law, public administration, diplomatic service, teaching, and journalism.

The major in political science requires 33 hours in the principal field and 15 hours in related courses. Required courses in political science are 121, 122, 211, 212, 232, 306, 311 or 312, 321 or 322, 349, and 351-352. Related courses for the major are Economics 201, Mathematics 221, Social Science 301, one course from Psychology 101, Sociology 101 and 211, and one course in either history or philosophy.

The minor in political science consists of 18 hours, including 121 and 122, 211 or 212, 321 or 322, and six additional hours.

121. INTRODUCTION TO POLITICAL SCIENCE
Introduction to the discipline of political science. Attention to the scope of the discipline, its methodologies, and the perennial issues addressed by the discipline. 3 credit hours

122. AMERICAN GOVERNMENT AND POLITICS
Introduction to the government and politics of the American national political system. Attention is given to the historical and philosophical setting, the formal governmental structure, and the behavioral bases of the American polity. 3 credit hours

211. COMPARATIVE GOVERNMENT AND POLITICS
Study of political systems of selected countries. Illustration of major polity types such as Western and non-Western, democratic and authoritarian, developed and less-developed. Examinations of political cultures, institutions, processes, and current political problems. 3 credit hours
Offered 1986-87 and alternate years

212. INTERNATIONAL POLITICS
Study of the scope and methods of international politics. Emphasis on the underlying principles governing international relations and the major techniques for the implementation of foreign policies. 3 credit hours
Offered 1987-88 and alternate years

232. PUBLIC POLICY
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making. 3 credit hours
Prerequisite: Sophomore standing or above. Offered 1986-87 and alternate years

306. POLITICAL PHILOSOPHY
Typological consideration of perennial issues in political science such as liberty, justice, political obligation, and political authority. Philosophical approaches to the understanding of politics are also examined. 3 credit hours
Prerequisite: Political Science 121 or 122 or permission of the instructor. Offered 1986-87 and alternate years

311. GOVERNMENT AND POLITICS OF EAST ASIA
Comparative study of political background and governmental systems of China, Japan and Korea with emphasis on traditional and contemporary political behavior, ideas, and institutions. 3 credit hours
Prerequisite: Political Science 211, Asian Studies 320, or permission of the instructor Offered 1987-88 and alternate years

312. COMPARATIVE FOREIGN POLICY
Comparative analysis of foreign policy processes and issues of selected nation-states. Attention to the influence of foreign policies on contemporary international politics.
Prerequisite: Political Science 212 or permission of the instructor.
3 credit hours
Offered 1986-87 and alternate years

321. AMERICAN POLITICAL PROCESS
American political and governmental institutions and processes: public opinion, interest groups, political parties, Congress and the presidency.
3 credit hours
Prerequisite: Political Science 122 or permission of the instructor.
Offered 1986-87 and alternate years

322. THE JUDICIAL PROCESS
Consideration of the role of the federal judiciary in the American political process. Approaches include case laws and social science research. Topics covered include political power of the judiciary, judicial recruitment, scope of government power, and civil liberties.
3 credit hours
Prerequisite: Political Science 122 or permission of the instructor.
Offered 1987-88 and alternate years

349. SELECTED TOPICS IN POLITICAL SCIENCE
Prerequisite: Six hours in political science or permission of the instructor.
3 credit hours
Offered 1986-87 and alternate years

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.
6 credit hours

Sociology

Sociology deals with social relationships, the structure of society and the variety of human cultures. The minor in sociology provides a useful supplement to majors in a variety of academic fields.

The minor in sociology consists of a minimum of 15 credit hours, including 12 hours above the 100 level. The minor must include Sociology 101 or 211 or both; additional hours may be drawn from 102, 215, 305, 325, 349, Psychology 221 and Social Science 301.

101. INTRODUCTORY SOCIOLOGY
Study of the fundamental structure and dynamics of human societies and the basic principles and concepts used in sociology.
3 credit hours

102. SOCIAL PROBLEMS
Analysis of several social problems in the United States and other societies. Emphasis on population, inequality, intergroup conflict, deviance. Other topics approached through individual student research.
3 credit hours
Offered 1987-88 and alternate years

211. CULTURAL ANTHROPOLOGY
An application of the concept of culture to various societies, from primitive to modern. Cross-cultural analysis of various institutions. Extensive use of ethnographies.
3 credit hours

215. SOCIOLOGY OF MARRIAGE AND FAMILY
A study of selected aspects of family structure and functions. Mate selection, family organization, sex roles, family breakdown, variant family forms, and demographic change. Analysis of the American family and comparative study drawing on other cultures. 3 credit hours
Offered 1986-87
and alternate years

305. ORGANIZATIONAL BEHAVIOR
Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations. 3 credit hours
Prerequisite: Sociology 101, Management 302

325. SOCIOLOGY OF RELIGION
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons. 3 credit hours
Prerequisite: Sociology 101 or 211. Offered 1986-87
and alternate years

349. TOPICS IN SOCIOLOGY/ANTHROPOLOGY
Selected topics in sociology or anthropology. May be repeated for credit. 3 credit hours
Prerequisite: At least one course in sociology. Offered 1987-88 and
alternate years

The Bachelor of Music Degree

The Bachelor of Music is a professional degree, intended for students who plan to pursue a career in some aspect of music. It differs from the Bachelor of Arts degree in its general education core requirements and the extent of specialization. As a professional degree, it affords more extensive study in the major field. The College offers major programs in performance, church music and music education.

General Education Requirement

The general education requirement consists of 40 credit hours. Students must satisfy requirements in the following areas, either by passing the courses or demonstrating proficiency.

English 130
Inquiry 110
Foreign Language 110 and 120
Natural Science 150
Mathematics 120
Humanities Sequence*
    Either 160 or 180
    One course from 260, 270, or 280
    One course from 360, 370, or 380
Social Science 220
African Studies 310 or Asian Studies 320
Humanities 390

Course descriptions are to be found in the Bachelor of Arts section of this catalog.

The Major Programs

Three major programs are offered. All of the programs include preparation in theory, solfege and dictation, and eurhythmics, and all require knowledge of music history and styles. Private applied lessons are a part of each major, as is sustained participation in a musical ensemble. Beyond these common elements, students take specialized courses appropriate to each major.

Before acceptance into any of the programs in music, students must demonstrate proficiency in basic keyboard skills. Those who lack this preparation must complete whatever non-credit courses are needed to provide this essential background.

Church Music

For the major in church music, 81 credit hours are required. This includes 46 hours in music courses, 21 hours in applied music, eight hours in ensemble participation, and six hours in related fields. Courses in music are 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 301-304, 305, 321, 343, and 351-352.

The 21 credit hours in applied music are earned in organ and voice, with 18 hours in one instrument and three hours in the other. At least four of the eight hours in ensemble participation must be earned in choir. Related courses for the major are either Religion 201 or 221, and Religion 328. A half-recital is required.

*One course must be completed in each series: '60, '70, and '80.

Music Education

The major in music education requires a total of 84 credit hours. Forty-six hours are earned in music courses: 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 225-227, 302-304, 307, 321, 325-327, and 351-352. Seventeen hours are necessary in applied music and ensemble participation, including at least nine hours in applied music and six hours in an ensemble.

Courses required to prepare for teaching are Education 208, 211, 327, 328, and 331-332 (three hours in each course), and Psychology 101. If teaching certification in Tennessee is desired, Education 329, 334 and four additional hours in natural science must be taken as well. Presentation of a half-recital is encouraged.

Performance

The major in performance consists of a total of 81 credit hours with at least eight hours in ensemble participation. Required courses are 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 301-304, 308, 351-352 and 401-402. Twenty-four credits in applied music are also required, including a half recital in the junior year and a full recital in the senior year. The remaining eight hours in music may be earned in courses, lessons, ensemble participation, or a combination of these.

099. PIANO FUNDAMENTALS
Instruction in basic musicianship and keyboard technique to enable students to develop the skills necessary to pass the piano proficiency examinations. A developmental course for which college credit is not given.

101. BASIC STRUCTURES OF MUSIC AND ELEMENTARY COUNTERPOINT
The aural and visual comprehension of musical elements and their application. Fundamentals, basic melody, decorative pitches, developmental processes in melody writing, voices in combination, and chord structure. Open to non-music majors.
3 credit hours

102. INTERMEDIATE PART-WRITING
Four-voice homophonic texture, functional chords and dominant seventh, inversions, two- and three-part form, secondary dominants, and modulation. 3 credit hours
Prerequisite: Music 101

111. INTRODUCTION TO ELECTRONIC MUSIC
An introduction to the world of electronic music, in both its classical and contemporary idioms. The course includes opportunities for music composition on a Yamaha DX-7 synthesizer in combination with an Apple computer. One class meeting and one required laboratory hour each week. 1 credit hour

121. EURHYTHMICS I
The experience and study of musical concepts and materials by means of body movement, based on the premise that music is an art that utilizes time, space, and energy in its production. Subjects will include: beat, meter, and tempo; rhythmic patterns; body technique; augmentation-diminution; complementary rhythms; syncopation; coordination; quick reaction; memory. 1 credit hour

122. EURHYTHMICS II
Continuation of Eurhythmics I. Subjects will include: dynamics and dynamic accent; the phrase; polyrhythms; uneven beats, two and three-voiced canon; improvisation; polymetrics. 1 credit hour
Prerequisite: Music 121

201. ADVANCED COUNTERPOINT
Study of nondominant sevenths, embellishing diminished chords, Neapolitan and augmented sixth chords, invention, and fugue. 3 credit hours

202. ADVANCED HARMONY
Consideration of chorale prelude, variation, and sonata-allegro forms; ninth, eleventh, and thirteenth chords; foreign modulation; 20th-century melody, harmony, and tonality; atonality and serialism. 3 credit hours

211. SOLFEGE AND DICTATION I
Practice of rhythmic exercises sung to the syllables of solmization (fixed do) which trains the student in the inner hearing of musical notation and sight singing. Subjects will include singing and recognition of all major, minor and perfect intervals; rhythmic exercises in simple time; dictation of one-voice melodic line; development of reliable relative pitch. 2 credit hours

212. SOLFEGE AND DICTATION II
Continuation of Music 211. Rhythmic exercises in compound time; singing and recognition of major and minor triads and their inversions; 7th chords and inversions; two-voiced dictation; sight-singing from traditional and contemporary literature.
Prerequisite: Music 211. 2 credit hours

221. ORCHESTRATION AND CONDUCTING I
Aural and visual examination of writing techniques for string, woodwind, brass, and percussion instruments from 1700 to the present with practice of basic conducting patterns and rehearsal techniques. Transcribing simple piano music for small ensemble with practicum in rehearsing/conducting those transcribed works. 1 credit hour
Prerequisite: Music 102.

222. ORCHESTRATION AND CONDUCTING II
Examination of scoring for combined sections, less frequently used instruments, and the human voice as an orchestra timbre. Advanced score reading and conducting techniques, with transcription and conducting practice of hymns and additional keyboard works. 1 credit hour
Prerequisite: Music 221.

225. STRING METHODS I
Study of basic violin and viola technique including posture, note reading and teaching methods through the second-year elementary strings class. 1 credit hour
Offered 1986-87 and alternate years

226. STRING METHODS II
Study of basic cello and bass technique including posture, note reading and teaching methods through second-year elementary strings class. 1 credit hour
Prerequisite: Music 225. Offered 1987-88 and alternate years

227. BRASS METHODS
An introduction to the entire brass instrument family. Emphasis is placed on elementary performing ability on trumpet, trombone, baritone, and French horn. 1 credit hour
Offered 1987-88 and alternate years

301. MUSIC HISTORY AND STYLES: ANTIQUITY THROUGH THE 16TH CENTURY
A study of the origins of music, its direction of development in Eastern and Western Asia and Africa, and its historical development in Europe to the 16th century. Emphasis is placed on the study of musical trends and styles through listening as well as analysis. Bibliography and independent research are included. 3 credit hours
Offered 1987-88 and alternate years

302. MUSIC HISTORY AND STYLES: 17TH AND 18TH CENTURIES
A study of European music from Monteverdi to Haydn and Mozart. Emphasis is placed on listening and analysis of scores of the leading composers of these centuries. Bibliography and independent research are included. 3 credit hours
Prerequisite: Music 102 Offered 1986-87 and alternate years

303. MUSIC HISTORY AND STYLES; 19TH CENTURY
A study of Western music from Beethoven to Mahler and Richard Strauss. Emphasis is placed on listening and analysis of scores of the leading composers. Bibliography and independent research are included. 3 credit hours
Prerequisite: Music 201. Offered 1987-88 and alternate years

304. MUSIC HISTORY AND STYLES: 20TH CENTURY
Listening and analysis of stylistic innovations in Western music from Debussy to the present. Composers are studied through biographical sketches, compositional listings, and analyses of representative works. The course includes study of bibliographies, preparation of research journals, and presentation of oral and written reports.
Prerequisite: Junior standing or above. 3 credit hours
Offered 1986-87 and alternate years

305. MUSIC IN THE CHURCH
A study of the music of the church with attention to the traditions within which the music was composed as well as the contemporary use of music in worship. The course includes supervised experience in a church situation. 3 credit hours
Prerequisite: Junior or senior standing. Offered 1987-88 and alternate years

306. ELEMENTARY SCHOOL MUSIC
A course in music for classroom teachers. Emphasis is placed on singing, song leading, and performance of song accompaniments on guitar and recorder.
Prerequisite: Junior or senior standing 2 credit hours
Offered 1987-88 and alternate years

307. METHODS AND MATERIALS IN MUSIC GRADES 1-12
Same as Education 326.

308. PEDAGOGY FOR APPLIED MAJORS
A study of various teaching techniques, and a practical introduction to materials and procedures. Emphasis on observation, with opportunity for practical application.
1 credit hour
Offered 1987-88 and alternate years

321. ADVANCED CONDUCTING
The course is designed to develop conducting skills, rehearsal technique, and score reading ability. Students gain practical experience in conducting an ensemble along with their classroom work. 2 credit hours
Prerequisite: Music 222. Offered as demand warrants

325. WOODWIND METHODS I
An introduction to woodwind instruments. Emphasis is placed on elementary performing ability on clarinet, flute, and saxophone. 1 credit hour
Offered 1986-87 and alternate years

326. WOODWIND METHODS II
An introduction to double-reed woodwind instruments. Emphasis is placed on elementary performing ability on oboe and bassoon. 1 credit hour
Offered 1986-87 and alternate years

327. PERCUSSION METHODS
An introduction to percussion instruments. Emphasis is placed on performance on the snare drum. 1 credit hour
Offered 1986-87 and alternate years

343. PRACTICUM IN CHURCH MUSIC
Supervised practical experience in the music program of a church. Development of leadership skills in vocal and instrumental music emphasized. 3 credit hours
Prerequisite: Junior standing

350. INDIVIDUAL STUDY IN MUSIC
An advanced individual study course. The subject matter is variable according to the needs of the student. 3 credit hours

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

401. LITERATURE IN MAJOR APPLIED FIELD I
A chronological survey of the standard repertoire of each performance medium through score study, record listening, and performance. 1 credit hour
Offered as demand warrants

402. LITERATURE IN MAJOR APPLIED FIELD II
A continuation of Music 401. 1 credit hour
Offered as demand warrants

Applied Music

The study of applied music is central to all curricula in music and is a valuable elective for students in majors other than music. One and one-half credit hours per semester are earned for a half-hour lesson and at least five hours practice per week. Three credit hours per semester are earned for an hour lesson or two half-hour lessons and at least 10 hours practice per week.

Composition
Development of basic techniques in the structure and craft of musical composition. Writing in all forms according to individual abilities.
Prerequisite: Music 102

Guitar
Proper foundation for right and left hand techniques. Emphasis on classical etudes and tone production. Repertoire ranging from early lute music to contemporary guitar compositions.

Harpsichord
Manual techniques and principles of registration. Study of ornamentation, phrasing, and various tonal attacks. Repertoire to include recitative and aria accompaniment style in such works as Handel's *Messiah* and other works as specified by the instructor.

Organ
Manual and pedal technique. proficiency in contrapuntal style, and fundamental principles of registration. A minimum standard repertoire specified by the instructor, covering representative styles. Accompanying of hymns, anthems, service music, and soloists.

Percussion
Studies in Snare Drum, Tympani, and Mallet instruments, including solo and orchestral literature. A minimum standard repertoire covering representative styles, specified by the instructor.

Piano
Proficiency in all major and minor scales and basic keyboard techniques, pedaling, tone production and phrasing, selected etudes, and a minimum standard repertoire. Accompanying experience.

String Instruments (Violin,Viola,Cello, Double Bass)
Selected studies adapted to the individual needs of the student. A minimum standard repertoire for solo and orchestral media covering representative styles, specified by the instructor.

Voice
Development and control of the mechanism, tone building, controlled breathing, and the physical activity of singing. A minimum standard repertoire specified by the instructor, covering representative styles.

Wind Instruments (Brasses, Woodwinds)
Basic fundamentals and techniques in study methods for the particular instrument. A minimum standard repertoire in solo and orchestral media, covering representative styles, specified by the instructor.

Ensemble Credit

The Maryville College Concert Choir, the Maryville College-Community Orchestra and the Highlander Wind Ensemble are open to all students. One credit hour per semester may be earned by participation in one of these organizations.

The Bachelor of Science in Nursing Degree*

Professor Lenny, Director

The Bachelor of Science in Nursing is a professional degree, designed for students who wish to pursue careers as registered nurses. The program serves two types of students—those with no education and experience in nursing, and those already licensed as R.N.'s. Students beginning their preparation follow the generic nursing curriculum, an integrated course of study that normally requires about four years of full-time college work.

Students who are already licensed, graduates of hospital diploma schools or two-year colleges, receive appropriate credit for their college-level study, and consequently tend to earn the degree more quickly. Moreover, they may gain full or partial exemption from several courses by demonstrating proficiency on challenge examinations. R.N.'s may pursue the degree on a full-time or part-time basis, as their work schedules and the availability of courses permit.

The program of study includes three principal elements—general education, major-related subjects, and courses on nursing theory and clinical practice. The general education courses have as their purpose the development of the intellectual and communication skills, the breadth of perspective, and the individual attributes necessary for personal effectiveness and continuing growth. The major-related courses, most of which are in the natural and social sciences, serve as the foundation for upper-level study in professional nursing.

The courses in nursing aim to help the student master critical knowledge and clinical skills, develop essential sensitivities and self-confidence, and understand the evolving role of the professional nurse in health care systems. Courses in nursing are taught on the Maryville College campus and in other suitable classroom and clinical facilities in the Greater Knoxville area, notably the 575-bed Fort Sanders Regional Medical Center.

Entrance into the nursing program, and subsequent continuation therein, require satisfaction of certain basic qualifications. Students are selected at the end of the freshman year. Only those are admitted who (a) complete all prescribed freshman year courses with a cumulative g.p.a. of at least 2.0, (b) demonstrate sound physical and mental health through a physician's examination, and (c) evidence personal qualities appropriate for a career in nursing.

To continue in the program, a grade of at least "C" is required in all nursing courses, including satisfactory performance of all required skills in clinical courses. (In nursing courses, a "C" is understood to be 75-83 on a 100-point scale.) No more than one "D" in a major-related course is permitted. Also required at the end of the junior year is a cumulative g.p.a. of not less than 2.0. Failure to meet any one of the standards for continuation results in dismissal from the program.

The total curriculum for the B.S.N., requiring at least 130 credit hours, is tightly structured and highly sequential. For that reason, clarity of purpose, high motivation,

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*Initial approval of the program by the Tennessee Board of Nursing is expected in the spring, 1987.

All courses listed below are required. The general education requirement consists of 29 credit hours. In major-related courses, 35 credit hours must be completed. The courses in nursing total 57 credit hours. The paradigm for completing the degree specifies the order in which courses should be scheduled. Students in the generic curriculum should follow the paradigm closely.

and thoughful planning are necessary to normal degree progress. To insure that courses are scheduled at the proper time, students are encouraged to consult regularly with the Director of Nursing Education or another designated advisor.

General Education Requirement

English 130
Inquiry/Orientation 110
Humanities 160 or 180
Humanities 260 or 270 or 280
Humanities 360 or 370 or 380
Mathematics 120
African Studies 310 or East Asian Studies 320
Fine Arts 210
Humanities 390

Major-related Requirements

Psychology 101: Introductory Psychology
Psychology 211: Child Development
Sociology 101: Introductory Sociology, or
Sociology 211: Cultural Anthropology
Chemistry 117: Fundamentals of Chemistry
Biology 217/218: Anatomy & Physiology I and II
Chemistry 119: Nutritional Biochemistry
Chemistry 231: Pharmacology
HPER 101: Health and Development
HPER 103: Introduction to Health Care and Promotion
Biology 219: Microbiology

Courses in Nursing

Nursing 201: Universal Needs
Nursing 301: Developmental Needs
Nursing 311: Health Deviation I
Nursing 312: Health Deviation II
Nursing 321: Professionalism
Nursing 401: Management and Leadership
Nursing 412: Promoting Self-care in Community Settings
Nursing 323: Contemporary Concepts in Nursing
Nursing 351-352: Independent Study and Research in Nursing

201. UNIVERSAL NEEDS
An introduction to the nursing process, health assessment through the life span from young adulthood through old age, and basic skills learned within the context of universal needs. Developmental tasks are integrated with learning of assessment skills. 6 credit hours
Prerequisites: All natural and social science courses listed on paradigm below, except Mathematics 120 and Chemistry 231. Offered 1987-88

301. DEVELOPMENTAL NEEDS
Focus is on the family life cycle, identification of developmental needs of family members individually and collectively. Clinical practice centers on the family as client,

with evaluation to identify self-care deficits and plan appropriate interventions. Health assessment of the normal infant, preschooler, school-age child and adolescent is considered as an aspect of health maintenance. 10 credit hours
Prerequisite: Nursing 201 Offered 1988-89

311. HEALTH DEVIATION I
Emphasis on the partly compensatory nursing system to promote and assist ill adults, children and families toward self-care. Content includes episodic physiological and psychological disorders based on Orem's universal needs. Concepts of health promotion, chronicity, coping, and rehabilitation are emphasized thoroughout the course. Clinical laboratory experience is provided in the acute care hospital and outpatient care populations. 11 credit hours
Prerequisite: Nursing 301 Offered 1988-89

312. HEALTH DEVIATION II
Focuses on providing care for critically ill individuals and families from early childhood to senescence using wholly compensatory nursing systems. Acute physiological and psychological disorders are addressed in the context of Orem's universal needs. Leadership principles are applied through coordination and collaboration with other health team members. Concepts of research, crisis intervention, ethics and death are integrated. Supervised clinical experience is with acute and critical care populations.
Prerequisite: Nursing 311. 10 credit hours
Offered 1989-90

321. PROFESSIONALISM
Designed to explore the composite character of the nursing profession and the characteristics of the individual as a member of the profession. Emphasizes regulation of practice, the image of the profession, legal concerns related to practice, and the role of the political process in shaping the future of nursing. 2 credit hours
Prerequisites: Nursing 201, 301. Offered 1988-89

323. CONTEMPORARY CONCEPTS IN NURSING
An examination of current issues and trends emerging from changes in health care delivery. Topics considered include the nurse-physician relationship, the role of the nurse on the health care team, quality of care and cost effectiveness, resource allocation, and new systems for providing nursing services. 3 credit hours
Prerequisite: Junior standing. Offered 1989-90

351-352. INDEPENDENT STUDY AND RESEARCH IN NURSING
Introduction to research methodologies specific to nursing, based on the scientific method. Individual study with guidance of a faculty members, culminating in a formal research study. Taken during fall and spring semesters of the senior year.
Prerequisite: Mathematics 120. 6 credit hours

401. MANAGEMENT AND LEADERSHIP
Focus is on learning principles of leadership and management applied in the acute care setting and in selected community settings. 3 credit hours
Prerequisite: Nursing 312. Offered 1989-90

412. PROMOTING SELF-CARE IN COMMUNITY SETTINGS
Intergrated theory related to community health nursing with planned experiences in appropriate settings. Includes assessment and evaluation of a community in relation to its health needs and resources. Epidemiology is used as an application of the nursing process. Planned interventions in the community provide opportunity for synthesis of previously learned skills applied in care of individuals and families.
7 credit hours
Prerrequisite: Nursing 312. Offered 1989-90

Standard Paradigm for the Generic Curriculum

Freshman

Fall			Spring	
English 130: Composition/Research	3		HPER 103: Introduction to Health Care and Promotion	1
Orientation/Inquiry 110	4		Psychology 101: Introductory	3
Chemistry 117: Fundamentals of Chemistry	4		Mathematics 120: Probability, Statistics and Computing	4
Biology 217: Anatomy & Physiology	3	Interim	Chemistry 119: Nutritional Biochemistry	3
	14		Biololgy 218: Anatomy & Physiology	4
				15
				Total 32

Sophomore

HPER 101: Human Health & Development	3		Chemistry 231: Pharmacology	3
Psychology 211: Child Development	3		Fine Arts 210	3
Biology 219: Microbiology	4		Humanities 260 or 270 or 280	3
Sociology 101: Introductory or 211: Cultural Anthropology	3		Nursing 201: Universal Needs	6
Humanities 160 or 180	3			15
	16			Total 31

Junior

Humanities 360 or 370 or 380	3		Nursing 311: Health Deviation I	11
Nursing 301: Developmental Needs	10	Interim	Nursing 321: Professionalism	2
Elective (?)	(3)	(experiential)	Africal Studies 310/East Asian Studies or Humanities 390	3
	13(16)			16
				Total 32(35)

Senior

Nursing 312: Health Deviation II	10		Nursing 401: Management/ Leadership	3
Humanities 390 or African Studies 310/East Asian Studies 320	3		Nursing 412: Promoting Self-Care in Community Settings	7
Nursing 351: Independent Study & Research in Nursing	3	Interim	Nursing 323: Contemporary Concepts Nursing	3
	16	(Nursing	Nursing 352: Independent Study & Research in Nursing	3
		experiential)		16
				Total 35

Directory

Officers and Faculty 1986-1987

(The year following title is that of first appointment)

Principal Administrative Officers

PRESIDENT
WAYNE ANDERSON
President from 1977-1986. New appointment expected during 1986.

DEAN ALLEN BOLDON
Acting Academic Vice President (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D. Vanderbilt University.

J. SIDNEY DOWNEY
Administrative Vice President and Treasurer (1983)
B.S., High Point College; M.B.A., Indiana University; Western Michigan University, University of Tennessee, Knoxville.

N. RONALD PEASE
Vice President for Student Affairs (1986)
B.A., Gettysburg College; M.A., Colgate University; Michigan State University, Florida State University.

ELEANOR C. GILMORE
Director of Development (1977)
B.A., Montclair State College; University of Tennessee, Knoxville.

LESLIE NIER
Director of Admissions (1978)
B.A., Maryville College.

EARL M. RASH
Chaplain (1984)
B.A., Presbyterian College; M.Div., Louisville Presbyterian Seminary; University of Tennessee, Knoxville.

Administrators Emeriti

JOSEPH J. COPELAND
President Emeritus (1961)
B.A., Trinity University; B.D., McCormick Theological Seminary; Honorary Degrees; D.D., Trinity University; LL.D., Maryville College.

RALPH WALDO LLOYD
President Emeritus (1930)
B.A., Maryville College; B.D., McCormick Theological Seminary; Honorary Degrees: D.D., Maryville College; LL.D., Centre College and University of Chattanooga; Litt.D., Lake Forest College and Westminster College; L.H.D., Lincoln Memorial University; S.T.D., Blackburn College; Pd.D. Monmouth College.

FRANK DeLOSS McCLELLAND
Dean Emeritus (1937)
B.A., Grove City College; Pennsylvania State University; M.S., LL.D., Grove City College.

Faculty

CHARLOTTE HUDGENS BECK
Professor of English (1966)
B.Mus., M.A., Ph.D., University of Tennessee, Knoxville.

THELMA E. BIANCO
Assistant Professor of Art (1971)
B.S.Ed., Texas Technological University; M.A., Texas Women's University; M.F.A., East Tennessee State University.

CAROLYN LOUISE BLAIR
Professor of English, Chairman of the Department of Languages and Literature (1948)
B.A., University of Montevallo; M.A., Ph.D., University of Tennessee, Knoxville.

JAMES ALBERT BLOY
Professor of Music, Chairman of the Division of Fine Arts (1953)
B.A., B.Mus., North Central College; M.Mus., Eastman School of Music; S.M.D., School of Sacred Music, Union Theological Seminary.

DEAN ALLEN BOLDON
Associate Professor of Sociology (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D., Vanderbilt University.

ROBERT JOHN BONHAM
Associate Professor of Music (1965)
B.Mus., Phillips University; M.Mus., University of Kansas; Ph.D., Ohio University.

SCOTT BRUNGER
Assistant Professor of Economics (1982)
A.B., Yale University; Ph.D. New School for Social Research.

TERRY ALLEN BUNDE
Associate Professor of Chemistry (1977)
B.S., Rollins College; Ph.D., University of Florida; Baylor College of Medicine.

ARTHUR STORY BUSHING
Associate Professor of English (1947)
B.A., Maryville College; M.A., University of Tennessee, Knoxville.

DAVID RAY CARTLIDGE
Professor, Chairman of the Department of Religion and Philosophy (1966)
A.B., College of Wooster; B.D., McCormick Theological Seminary; Th.D., Harvard University.

EDWIN LEE CONNER
Assistant Professor of English (1984)
B.A., The University of the South; M.A., Ph.D, Vanderbilt University.

CAROLYN BABB CUDDY
Instructor in Business Administration (1985)
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Maryville College reserves the right to withdraw courses at any time, change fees, rules, calendar, curriculum, graduation requirements, and any other requirements affecting students.

Additional academic information on class meeting times and places is available in the separate MC course schedule booklet published by the Registrar's Office. Students should consult the MC *Student Handbook* for policy and regulations relating to student conduct and conditions for dismissal for unsatisfactory conduct, residence hall regulations and the MC policy on Students' Rights to Privacy in compliance with the Family Educational Rights and Privacy Act of 1974. Student grievances are handled through the College's Office of Student Affairs, and copies of the grievance procedure are available from that office.

Maryville College does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities and benefits.

Pursuant to the requirements of Title IX of the Education Amendments of 1972, P.L. 92-318; and Section 504 of the Rehabilitation Act of 1973, P.L. 93-112, Maryville College does not discriminate on the basis of sex or handicap in the education programs and activities which it operates. This policy extends to both employment by and admission to the College.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the President, Anderson Hall, 982-6412. Charges of violation of the above policy should also be directed to the President's Office.

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